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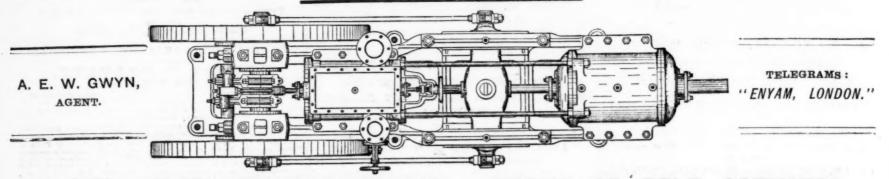
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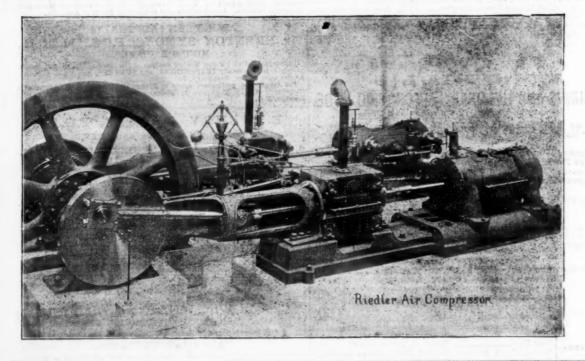
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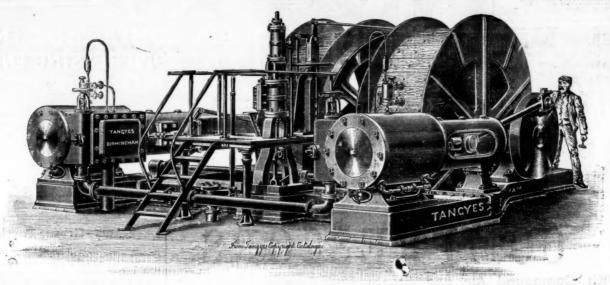
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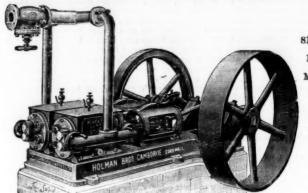
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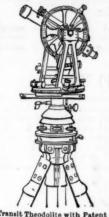
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HOME CONTRACTS.

HOME CONTRACTS.

Steel Fonce. February 11 (Kingston-upon-Thames).—For supplying and fixing a steel fence to a portion of the unenclosed part of the Fairfield for the Corporation, in accordance with particulars which will be furnished by the Borough Burveyor. Tenders, endorsed "Fairfield Fence," to be delivered to Mr. Harold A. Winser, town clerk, Clattern House Kingston-upon-Thames. Coke. February 11 (Salford).—For the supply of best coke and seconds coke, delivered at the various schools, for the next 12 months, for the Salford School Board. The annual consumption of coke is about 260 tons. Bealed tenders, specifying separately the price per too for best coke and seconds coke, must be sent in, addressed to the Chairman of the Board.

Coal. February 11 (Ware, Herts) —For the supply of 70 tons of Tees or Lambton's Walleand coal, to be delivered at the Workhouse, Ware, in such quantities as may be required, for the Guardians. Sealed tenders, marked outside "Tenders for Coal," to be sent to Mr. Geo. H. Gisby, clerk, Union Offices, Ware.

Fig. February 13 (East Grinsteas).—For the supply and fixing of a sew tour horse-power horizontal boiler and engine, with steam condenser, at heir Groombridge sewerage works, for the East Grinstead Rural District concil. Further particulars may be obtained and a specification seen on polication to Mr. W. Orin, surveyor, St. James Road, East Grinstead. Boiler, February 20 (Lecds).—For the supply of a Lancshire boiler, 0 test long by 8 feet dismeter, for the Gasworks, Meadow Lane, for the Gascommittee. Plans and specification may be seen and further particulars obsined on spplication to Mr. Easton, Gas Stores Department, 21, Dewabury load, Leeds, Tenders will be received, addressed to the Chairman of the Gascommittee, Municipal Offices, Leeds.

Sinking Wells. March 2 (Sleaford Lanc.).—For works required in sinking well, constructing brick tower, supply and fixing east iron reservoir, gas ragine, and pumps, providing and laying about 3100 yards of 4 inch, 3 inch, and 2 inch east fron pipes, together with service vaives, &c., required in the construction of saterworks in the parish of Heckington, for the Sleaford Rural District Council. Plans and specifications may be seen, and quantities and forms of tender obtained at the office of Mr. Jesse Clare, C.E., surveyor to the Council, Sleaford.

Council, Seaford.

Railway Construction (Scotland).—For the construction of a railway in Fife from the end of the Westfield branch of the North British Railway to Kinninmonth Colliery. For specification and schedule apply to Mr. John Wilson, secretary, Central Fife Coal Company (Limited), 112, Bath Street, Glazow.

Sinking Shaft (Denny, Scotland),—For sinking shaft at Castlerankine Colliers, Denny, from 27 to 80 fathoms. Apply to Mr. Robert Thomas Moore, C.E., 158, St. Vincent Street, Glasgow.

Mr. R. H. CAVILL left for Johannesburg, South Africa, last Sunday (January 13th, 1895), where he will not as manager of the New Rand Gold Mines (Limited). The careers of Messus. Hammond, Williams, Cold Mines (Limited). The careers of messis, Hammond, within, Clarke, Clement, and other Californian miners who went thither to seperintend important works illustrate the recognition by mine-owners in that far-off El Dorado of the value of practical men.— Mining and Scientific Press.

NEW PATENTS.

FOR MINE, QUARRY, RAILWAY, AND ENGINEERING WORK, STORES, &c.

LIST of APPLICATIONS for New Patents relating to Mining
Metallurgical, Engineering. Railway and kindred matters, Metallurgical, Engineering, Railway and kindred matters, specially compiled from official sources for the "Mining Journal" by Messrs Rayner and Company, Patent Agents, 37, Chancery Lane, London, W.C., who will forward all information regarding them free on application-

1358 Strethill Harry Wright, Ganarew Manor House, near Monmouth.—An improved method of producing a to-and-fro action, and of converting the same into rotary motion in steam and hydraulic machinery. January 21.
 1374 Elwin Ribert Hough, Leadenhall House, Leadenhall Street, London.—Improvements in check valves for steam boilers.—January 21.
 1383 Maurice Frischer, 432, Strand, London.—Improvements in and connected with the decoration of enamelled metal surfaces,—January 21.
 1390 George Henry Richmond, 5, Derby Street, Moss Side, Manchester.—Improvements in apparatus for feeding boilers, and for returning water of condensation to boilers, also applicable to forcing liquids.—January 23.

of condensation to boilers, also applicable to forcing liquids.—
January 71.

1418 Carl Gustaf Patrik De Lavai, 77, Chancery Lane, London,—Improvements in means for regulating motors.—January 21.

1429 Thomas Moore, 36, Park Lane, Croydon.—Improvements in the application of using steam expansively in compound engines.—January 22.

1445 Thomas Harris, 31, Sidney Road, Bootle, Lancashire.—Jonnibed guity trap, air iniet, and inspection shaft.—January 22.

1506 Isaac Bowe, 31, High Holborn, London.—Improvements in automatic stoking furnaces.—January 22.

1514 James Yate Johnson, 47, Lincoin's Inn Fields, London.—Process of and apparatus for treating and desulphurising ores.—January 22.

1528 Emil Peipers, 53, Chancery Lane, London.—Improvements in or relating to water engines and motors.—January 22.

1530 Brown, Boveri, and Co., 46, Lincoin's Inn Fields, London,—Improvements in or in connection with alternating current electric motors.—January 22.

1576 Robert Baird, 134, 8t. Vincen's Street, Glasgow.—Improvements in steam generators.—January 22.

1576 Robert Duncan, 62, 8t, Vincen's Street, Glasgow.—Improvements in water circulating apparatus for steam boilers,—January 23.

1585 Richard Donaldono Shannon, 6, Bank Street, Manchester.—Improvements

1576 Hobert Duncan, e., St., Vincent Street, Vangow.—Improvements in water circulating apparatus for steam boilers.—January 23.

1585 Richard Donaldson Shannon, 6, Bank Street, Manchester.—Improvements in the steam pipe joints of rotating steam-heated cylinders.—January 23.

1586 Carl Baum, 6, Lord Street, Liverpost,—Improvements in or connected with automatic feed water apparatus for steam boilers.—January 23.

1716 Gustav Dürr, 45, Southampton Buildings, Chancery Lane, London.—Improvements in and relating to steam generators.—January 24.

1729 Louis Mario Gabriel Delaunay-Believille, 47, Lincoin's Inn Fields, London.—Improvements in or connected with water-tube steam generators.—January 24.

1751 Thomas Lees and William Douglas, 154, 8t, Vincent Street, Glasgow.—Improvements in machines for crushing ores.—January 25.

1785 George Macdonald, jun, 115, 8t, Vincent Street, Glasgow.—Improvements in miners' and sinkers' lamps.—January 25.

1822 Ernest Henry Saniter, 6, Lord Street, Liverpool.—Improvements in or relating to the purification of iron or steel.—January 28.

SPECIFICATIONS PUBLISHED.

40', Brooks (Grant), generating bevel gear teeth, 1894; 573, Dulier, generating elastic field for engines 1894; 3275 Chapman, drilling machines, &c.. 1894; 3478, Sankey, steam, &c.. engines, 1834.

The above specifications published may be had of Mesers. Rayner and Co., 37, Chancery Lune, London, at 10d. each including postage,

ANSWERS TO CORRESPONDENTS.

be answered in this column and not through the medium of the post. All questions and replies should be accompanied by the name and address of

REPLIES.

BOREAS.—(1.) Not yet.—(2 and 3) Yes.—(4 and 5.) No.—(7.) The dividend is on the old shares. The dividend you refer to was declared in December,

A. M. K .- You should keep both of them for better prices.

H. L. M.—We have not a very good opinion of the debentures.

F. C.—We do not look for any particular improvement.

PERPLEXED.—We do not think you have any reason to complain, OBSERVANT.—You should certainly take your profit on Nos. 2, 4, and 5. The others might hold.

COVENTRY.—They are not suitable for investment. Nos. 2 and 3 are fair speculations. H. W .- 1. Hold for a recovery .- 2. Fair .- 3. We look for a better

price, X, Z .- Yes; we believe the statement to be well-founded. We

know that overtures for reconstruction have been made. L. R.-We do not care to advise a purchase.

S. B. P .- We cannot recommend any of them.

LANCE.-Sell No. 2 and hold the others for awhile.

G. N.-We certainly think the shares will rise to par, and should advise you to hold, CARLISLE.—We cannot advise a further investment.

R. S. M.—The shares have risen quite as much as circumstances

J. L. G .- We should advise you to take advantage of the present quotation, and sell.

MINES.—(1.) No; too highly capitalised.—(2.) No; a rig, which is dying out.—(3.) It is stated that the mines have only a short life at the present rate of output.

Our Health in Winter.—Dr. Andrew Wilson, writing in Lloyd's Newspaper on diet, says:—"The teaching of Nature should never be neglected, and in the matter of winter food let us see we are not wrong, and take sufficient fat, for the changes that result in the wear and tear of our bodies are lessened in intensity by the fat of food, and the need for flesh is always less when fat forms a due proportion of our diet." The doctor proceeds to enumera'e natural products that are admirable, among them "Cocoa" with its contained Cocoa Botter. Relatively to this it may be raid that Epps's Prepared Cocoa retains all the constituents of the natural Cocoa. Propared Cocoa retains all the constituents of the natural Cocincleding the oil or batter, intact.

umptuous repast.

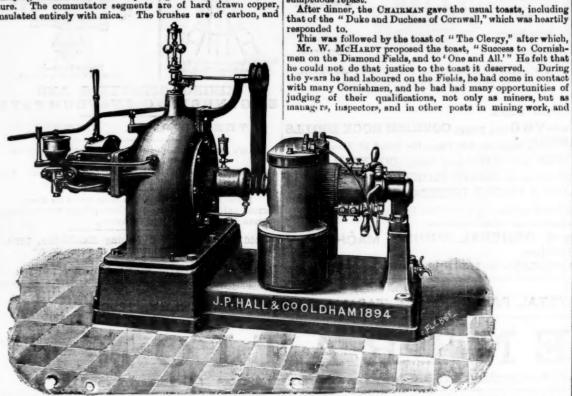
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MECHANICAL ENGINEERING: MACHINERY, MINING and RAILWAY PLANT, &c.

Hustrated Descriptions of New and Standard Mechanical Appliances, Accessories and Processes, adapted to Mining, Metallurgical, Railway, Engineering and other Industrial

COMBINED DYNAMO AND TURBINE.

HIS dynamo is constructed for an output of 50 ampères at 80 volts, at 750 revolutions per minute, and is of the usual type constructed by J. P. Hall and Co., Blackriding Works, Oldham, the bed being prolonged to carry the turbine. The armature is of the Gramme wire-wound type, capable of carrying the full load with only a slight increase of temperature. The commutator segments are of hard drawn copper, insulated entirely with mica. The brushes are of carbon, and



the machine is so constructed that the lead of the brushes may remain the same without sparking, for all loads. The magnets are of wrought iron, let into the bed, and are shunt-wound for

are of wrought iron, let into the bed, and are shunt-wound for charging accumulators or lighting direct. The electrical efficiency is about 96°33 per cent.

The turbine is of the Girard type, with wheel 10 inches diameter, carried on the end of the armature shaft, and is designed to give 6 B.H.P. when passing 36 cubic feet per minute at an effective head of 120 feet. The guide ports are four in number, and are closed one after the other by a balanced regulating slide, the spindle of which passes through the bend, admitting the water to the guide, and which is regulated by a lever from an hydraulic cylinder, to either end of which water to make the spindle of the spindle of the spindle of the spindle of the property of the governor, with which the speed can be adjusted while running. By means of a tap, the water to the hydraulic cylinder can be shut off, and the slide worked by hand. The arrangement works almost silently.

THE ANNUAL CORNISH DINNER.

AN OLD-TIME FUNCTION.

(FROM THE Diamond Fields Advertiser, KIMBERLEY.)

HE old year—1894—was rung out, and the New Year—
1895—was rung in, in the good old Cornish style, at
the Gladatone Hotel, on Monday evening, December 31,
when there was a very large attendance of Cornishmen present
at the annual banquet. This function has become one of the
institutions of the Diamond Fields, and it certainly says a great
deal for the hardy and skilful men hailing from Cornwall that,
without an association which would call them together periodically during the year, they keep their minds fixed on their homes
and their friends there, and meet together in such an enthusiastic
fashion to wish them all the joys of the season. A painful note
was struck during the evening when the fact was revealed—
though, of course, known to all Cornishmen from their weekly
newspapers—that in Cornwall great depression at present exists,
but if the good wishes which were generally expressed round the
table on Monday night, are at all heeded, there will be prosperity
once more in the county long ere another New Year comes
round. In previous years no such tale of depression had to be
told, and it is, therefore, not surprising that the proceedings
were quieter on this occasion than at the previous banquets.
Still the feeling of harmony which existed amongst those present
was most pronounced, and genuine enthusiasm was at all times was most pronounced, and genuine enthusiasm was at all times demonstrated when anything "clannish" was said, or anything Cornish was sung, and the function was as successful as any of its predecessors. The dining-room of the Gladstone was gaily decorated, festoons of various materials being suspended from corner to corner, and round the walls were to be observed the names of some of Cornwall's famous sons—Grenville, Godolphin, Henry Martyn, Sir Humphrey Davy, Murdoch, Trelawney, Lander, Pitt, Trevithick, and Opie being amongst them. Flags of various nations were displayed, amongst 'pretty decorations of evergreens, but one most admired of all was that which bore the Cornish emblem, "One and All."

he could honestly say that Cornishmen could claim to be in the

he could honestly say that Cornishmen could claim to be in the first rank amongst such workmen. Socially, and as citizens, Cornishmen were not behind any other class of people. He had noted that many of them had, through their lindustry, perseverance, and other good qualities, gone back to Cornwall and other parts of the old country, and he hoped that, although this country would lose them, they would do well at home.

The Chareman briefly responded to the toast, bearing testimony to the many kindnesses and consideration at all times shown to Cornishmen, and, in fact, to all miners, by Mr. McHardy.

Mr. Jacob George (Vice-Chairman) gave the toast "Success to the Mining Industry and Trade of the Diamond Fields." He said it seemed to him a most delicate subject to handle, on account of a strange and inexplicable feeling that exists among a certain class of the community on these Fields. This class to which he referred resembled the Ishmaelite of old, whose hand was against every man's hand. They were never more at home and never so happy as when they were bitterly denouncing those, who direct the operations of the mining industry; and not only so, but some of them treated the workmen with suspicion and scant courtesy. Now, this should not be the case; they should work together amicably. They were all striving to get a living for themselves and families. Let them do so honourably, and with becoming respect for each others feelings. Though they were miners, they were men; and, as such, they expected to be treated with common courtesy by those who were not miners. With the opening up of the northern territories, they wished increasing prosperity for the commercial life of this town. With regard to the other part of his toast—namely, the mining industry—that was more in harmony with his taste and training. He had been brought up commercial life of this town. With regard to the other part of his toast—namely, the mining industry—that was more in harmony with his taste and training. He had been brought up to mining from a boy. He had worked in three countries, and for very many companies, and he could truly say that he never worked in a more prosperous mine, nor for a better company than the one with which most of them were connected. They know there were other companies on these Fields, and as knew there were other companies on these Fields, and as the toast embraced the industry, he would not specify companies, but wish success to the mining industry as a whole. (Applause.)

The toast was responded to by the MAYOR—Mr. Haarhoff—and Mr. W. Moses.

The CHAIBMAN, in proposing the toast of "Our County," pre-faced his remarks by reading portions of a letter from the Rev. P. M. C. Johnstone (now in England), who therein expressed regret that he could not be present at the Cornish dinner of 1894, but wished them every prosperity. Past Cornish dinners had furnished him with some of the pleasantest reminiscences had furnished him with some of the pleasantest reminiscences of South Africa, and he mentioned various engagements he had in England to show he was doing his utmost for various missions, &c., in this country. A letter from Mr. W. Spargo, was also quoted from, wherein the writer expressed his regret at being absent from the Cornish banquet, but wished all a happy New Year. No apology (the Chairman proceeded to say) was necessary for the toast. It was one which would go straight to every Cornishman's heart. (Cheers.) The history of their county was one long record of noble deeds by great men—many of whom were great, not in the sense of riches and worldly wealth, but in the fact that, despite all obstacles, they had achieved true greatness. (Loud cheers.) Cornishmen had always great prejudice and difficulties to contend against. For many centuries it was considered that Cornwall was outside the pale of England—(laughter)—it was merely a strip of land, jutting out into the sea. Its inhabitants had mainly to depend for their living upon the fish that could be obtained from the sea and the minerals which could be get from below the surface. To obtain the latter they had to overcome difficulties which at times seemed insurmountable, and really to create the mining industry. (Loud cheers.) the Cornish emblem, "One and All."

The Chairman was Captain Quentrall, H.M. Inspector of Mines (Wendron), and was capably assisted by the Vice-Chairman, Mr. Jacob George (Wendron), a good supporter being also to depend for their living upon the fish that could be get from below the surface. To obtain the latter they surrounding these gentlemen were the following guests:—The Mayor of Kimberley (D. J. Haarhoff, Esq.), Messrs. E. A. Judge (Civil Commissioner), Ven. Archdeacon Gaul, Rev. Wingate, Mosss, W. McHardy, A. Bruee Brand, and R. A. Skelding.

The Chairman was Captain Quentrall, H.M. Inspector of the sea. Its inhabitants had mainly to depend for their living upon the fish that could be got from the sea and the minerals which so obtained from the sea and the minerals which will be obtained from the sea and the minerals which at times seemed insurmount—the Mayor of Kimberley (D. J. Haarhoff, Esq.), Messrs. E. A. Judge able, and really to create the mining industry. (Loud cheers, The same company has also purchased a property known as Hall's Leases, comprising reliant, independent, and full of inventive genius, and he hoped

they would always retain these qualities. (Loud cheers.) Cornwall was but a little place, but he believed that nowhere in England was there a spot so small and so thinly populated that had a longer or more glorious history. (Loud cheers.) At the present time he (the Chairman) was very sorry to say that the mining industry of Cornwall was in a depressed state, and he was sure all their sympathies were with those at home. (Applause.) The county had hardly ever experienced such a trying time before. The copper mines had been stopped, and the tin mines were suffering from the extremely low price of tin, which was almost the lowest known, so that their friends in Cornwall had to make a very hard fight to pull through this depression. The Vice-Chairman, in his speech, had commended the miners of Kimberley on the absence of strikes, and he was sure their miners at home also deserved every credit for the reasonable view they had taken of things. When, the other day, a reduction of 10 per cent. had to be made from wages which were previously very low, they were satisfied to submit, and do their best in hope of better times. (Cheers.) He was sure those connected with the mines deeply regretted having to take this step—(cheers)—but they were compelled to do so. They all hoped that a better price for tin would soon prevail, and prosperity return to all their mines. (Cheers.) The mines were never more productive than at present, nor better worked; and if they only had an average price for their produce some of their mines would pay as large a percentage on their capital as any mines in Johannesburg. (Cheers.) In many other respects he was pleased to see that Cornwall was improving. There was a much greater influx of visitors, as the matchless scenery of their county was gotting better known, and new hotels were being built at several places around their far-famed coast. (Applause.) Agriculture, too, was progressing. But the population of Cornwall, he was sorry to say, was steadily decreasing. Many of the best of her sons ha Cornishmen, and that night they wished all Cornishmen, whereever they might be, every happiness and prosperity. (Loud
cheers.) But Cornwall was something more to them than a
land with a great and glorious history. It was the land of their
birth. All the fond associations of their childhood and early
manhood centred in Cornwall. It was hallowed to them by the
memories of those they had "loved and lost." It was the home
of their dearest friends—(cheers)—and he was sure that all
would most heartily join with him in wishing them every happiness and prosperity—(cheers)—and that wherever their lot
might be cast in the future their dearest recollections would be
those of their old home and dear friends there. (Loud applause.)
Captain Trezise, in responding to the toast, said they could

Captain Trezise, in responding to the toast, said they could all endorse the sentiment that there was no place like home. There was an old man down in the west of Cornwall whose wife was called Nancy, and in giving expression to the qualifications which his wife possessed, he said he had been in many places, and seen many faces, but never any to come up to his Nancy, (Laughter and applause.) He (the speaker) had also been to (Laughter and applause.) He (the speaker) had also been to many places in the world, but he did not know that he had seen any place that he so much admired as the old county. (Applause.) In saying so, he was reminded of the little Scotch drummer-boy who was asked to play the "retreat" once, but replied that he had never learnt that. He had never lost his love for Cornwall, and although he would have liked someone else to respond to the toget still as a Cornishmen, and an old county many hor to play the "retreat" once, but replied that he had never learnt that. He had never lost his love for Cornwall, and although he would have liked someone else to respond to the toast, still, as a Cornishman—and an old county man—he would do so. He was happy to meet so many Cornishmen. He, like most men in his position in life, had had a varied experience, sometimes on the crest of the waves, and at other times in the trough of the sea, but he could be more easily seen on the crest than in the trough. An old divine once said to a student to whom he was giving a lesson, the first thing to do is to select a fat text and get something out of it of a corresponding nature. His text that evening was of a lean nature, because Cornwall was at present under a cloud, but they all hoped that cloud had a silver lining which would soon disappear. They on the Fields did not feel the pinch which some of their friends at home were experiencing, but they all deeply sympathised with, not only the working men, but also with the shareholders who had to put their hands into their pockets in order to keep the mines going. It was a trying time for all concerned, but he hoped that a better time was in store. It was said that mining at home has been on the wane for years past. About 20 years ago no less than 20 mines were working at St. Just, and there was ample employment for all. At the present time, however, only two mines were working; the industry had been gradually crumbling away. He hoped sincerely, that many of those present, after earning a competence in this country, would return to Cornwall and see prosperity once more established there. (Applause.) He would conclude by giving another toast which was not on the list, "Success to Cornwall; may her injuries be written in sand, and her friendships engraven in marble." (Loud applause.)

The Chairman, in giving the toast of "Our Guests," read letters of apology from Messrs. Lawrence, M.L.A., G. F. Williams, W. Nichol, J. Lisle, H. Robinow, C. E. Nind, W. H. Craven, A. M. Robeson, L

oraven, A. M. Robeson, Lieut.—Colonel Harris, Jos. Gouldie, and many others. Still, remarked the Chairman, there were several guests present that evening, and he hoped they would make themselves at home with "one and all" of them. Cornishmen were well known for their hospitality, and that trait they still retained in South Africa.

AN ELECTRIC MINING INSTALLATION IN HUNGARY.— The Austrian papers are just now devoting a good deal of space to descriptions of an installation for the transmission of energy by electricity at the Tommen pits, near Fanfkirchen, in Hungary. The Danube Steam Navigation Company owns the pit, from which extraction has been suspended for some time. When it became a question of exhaesting the water which had accompulated and of starting coal getting, it was decided, on economical grounds, to have recourse to electricity. For this purpose a mono-cylindrical extracting engine, which was not used in the mine, was fitted up to work a dynamo of 80 ampères under 150 volts. This sent the carrent either to a receiver, placed at the bottom of the shaft at a distance of 227 metres, and a depth of 141 metres, which, by a strap, worked a pump making 650 revolutions a minute, with an effective power of 10 horees or to a receiver placed on the surface, 56 metres distant, and capable of developing 12 horse-power at 750 revolutions a minute. The whole installation, which has not yet had any stoppages, was set: working on March 14, 1894, while the pump has worked since the end of the month of January. The total expense, including the cost of the steam engine, transport expenses, foundations, and fitting up, was 16,200 francs. This would have cost 7000 francs more if it had been done exclusively by means of steam. The installation only needs a staff of two men, one for the generating dynamo, and the other for the receivers.

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THE DUNDAS GOLD FIELDS.

By BRENTON SYMONS, M.I.C.E.

THE good ship Ballaarat, a rather old type of vessel of about 5000 tons burden, sailed from Tilbury for Australia on the 22nd November, with every available berth occupied. The voyage to Gib was uneventful, and its cont nuance to Port Said would have been monotonous but for a visit to Malta—a place redolent of historical interest—where the relics of the ancient Order of the Knights of Malta are collected, and where the churches are resplendent with sculptures and carvings. Few cities present such well-built streets, possessing such pretensions to architectural excellence. For this the Maltese have to be grateful to Nature for a bountiful supply of an excellent and stone, easily quarried and sculptured.

sandstone, easily quarried and sculptured.

The passage through the Suez Canal happened during the night, at a speed of about 5 miles an hour, and this gave the passengers an opportunity of witnessing the peculiar effects of the powerful electric light which was fixed at the stern of our boat. It changed the sides of the canal into scenes of enchantment, the sand hillocks became as the whitest snow, and the wooden piles supporting the banks showed forth as immense icicles. Exposed to the light of day the gigantic dredges employed to keep the canal at its proper width and depth are unsightly in the extreme, and the boathouses positively ugly; but the charms of the electric light transformed them into gorgeous structures glistening with gold and silver, and this delusive appearance endured until the objects were closely approximated, the observer being intensely astonished at the sudden disillusion. The voyage across the Red Sea and Indian Ocean was calm and delicious, and was appropriately broken by the fresh tropical beauties of Colombo.

delicious, and was appropriately broken by the fresh tropical beauties of Colombo.

Amongst the passengers was quite a number bound for the gold fields of Coolgardie—mining engineers, mechanics, &c.—all of them fully convinced that, on reaching their destination, gold could be obtained by simply picking it up from the ground. Much mining machinery had been shipped for some mines north of Coolgardie, comprising, inter alia, a Terra Seca machine for treating the gold from the crushed quartz without the intervention of water. The working of this machine will be watched with eager interest, not only by the British public who have invested their surplus cash in West Australian gold mines, but more especially by the mining community in that colony, who find the scarcity of water seriously hampering their operations. Should the Terra Seca, or any other machine for treating the quartz by a dry method, be successful in separating the fine gold, the impetus it would give to gold mining in the waterless district can hardly be estimated. In comparing the relative merits of wet and dry separation, the conditions existing in the auriferous regions of West Australia, and accentuated in Coolgardie, must be carefully considered. Thus, it might well happen, that the difficulty of obtaining and conserving water (especially in a climate where the evaporation may reach 10 or 12 inches a month) may be so great that it might be more economical to suffer the loss of a certain proportion of fine gold by dry separation. In using the dry separators, quartz crushed to the proper size is fed direct to the machines without the use of copper plates or mercury, so that there is less labour, no loss of mercury, and the risk of theft is considerably reduced. It must be remembered that much float gold escapes amalgamated copper plates. A dry separator competent to extract fine gold, equal in amount to that done by amalgamation, is a desideratum eagerly longed for, but not yet obtained.

equal in amount to that done by amalgamation, is a desideratum eagerly longed for, but not yet obtained.

The Au tralians on board were very numerous, and there was much discussion as to the real value and extent of the gold fields, and also as to their permanent character. There were many mining men on board, and others who had much capital embarked in colonial mines, and the concensus of opinion was most decidedly in favour of the richness and permanence of the districts stretching between Cue and Dundas. The continuous production of gold will also promote, as it has done in other countries, the settling of the agricultural districts, especially those mearest the mining fields.

The Ballacarat arrived at Albany on the 31st Decem-

meerest the mining fields.

The Ballaarat arrived at Albany on the 31st December, steaming through the outer granitic headlands at daybreak. The well-built, thriving town of Albany is situated on the eastern slope of the landlocked harbour, and is surrounded by high granite hills, the weathering of which has strewn the shores of the inlet with a silver white sand. The town is just now full of excitement, the Dundas gold fever having seized the inhabitants. Gold diggers pervade the place, and prospecting parties are preparing to start.

and prospecting parties are preparing to start.

Mawson's Reward Claim is said to be opening up very satisfactorily, and the 15 stamps ordered are anxiously expected, and when these have been erected substantial dividends are considered certain. If the statements circulating here are only half true, this mine may prove to be one of the prizes for English capitalists. The Great Dundas is spoken of as certain to prove an excellent property. Between the lakes of Cowan and Dundas some of the late finds have been remarkably rich. Under the immense depression known as Lake Cowan water is found in abundance at the depth of a few feet, and little diffi-

and Dundas some of the late finds have been remarkably rich. Under the immense depression known as Lake Cowan water is found in abundance at the depth of a few feet, and little difficulty is expected in obtaining sufficient water to run stamps. The Government has just supplied two water stations on the route between Esperance Bay and Dundas, so that transport will be more easily effected and at cheaper rates. Although the main line of colonial telegraph passes through Esperance, no wires have been stretched to Dundas, but there is every probability that the line will soon be in operation between Esperance, through Dundas, to Coolgardie. At present the conveyance of passengers from Albany to Esperance Bay is effected by the Grace Darling, a schooner of about 100 tons burden, which runs, however, only once a month; but the Government are offering a subsidy so as to run a fortnightly steamer. The cost to Esperance is £2, and by camel to Dundas about £12, the 130 miles occupying three days. These facilities will assist in developing with greater rapidity the Dundas district, and Esperance will eventually become an important place. The reduction in the cost of transport, both for goods and passengers, will be a great relief to the prespectors, who are mostly men of small means. There seems every likelihood of Dundas becoming a most important gold field in the near future, and those who get there before the rush will probably make their piles. At present the number of prospectors and others in the field does not amount to 500. The nearness of the coast, the large forests extending over the whole field, and the existence of water in fair abundance for stamping, &c., give the Dundas gold field a great advantage over Coolgardie.

A LOT OF MONEY is wasted every year by people who can ill-afford to lose it. They buy what they do not want, or what afterwards turns out to be useless for the purpose for which they bought it; and so they are connected to go without many things of which they stand is need, A man suffering from headache, less of appetite, indigestion, or low spirits, will consider the suffering from the stands of the suffering from the suffering from the suffering the suffering from the suffering the suf

THE MINERAL WEALTH OF SIBERIA.

(Continued from page 136.)

SILVER, LEAD, and COPPER.

IBERIA was once inhabited by a people who, according to the Russian legends, were called Chud (wonder men). It is not known when this people lived; but the chief monuments of former existence are ancient mines, chiefly with open diggings, their only in rare instances underground workings. The antiquity of these works is seen from the fact that all the instruments which have been found in them are made either of copper or hard stone, which leads to the supposition that this people was entirely unacquainted with iron. The Chud mines, as these ancient workings are called, guided the Russian pioneers in their search for metalliferous deposits, and at first all the workings were begun in these localities where the Chud had formerly extracted their silver lead or copper.

silver, lead, or copper.

In Western Siberia the numerous remains of Chud mines found on the Altai, and its very name of "Altai," which means the "gold mountains." indicates their richness in metals. The first efforts made by the Russians to exploit these riches belong to the close of the eighteenth century; but, strictly speaking, the mining industry of the Altai was placed upon a firm footing at the beginning of the eighteenth century by Akinfia Demidov, the son of the Tula blacksmith, Nikita Demidov (Antoufiev). In 1723 some Russian hunters found the remains of ancient scoria in the old waste heaps of Chud workings, near Lake Kolyvan in the Biisk region, and mentioned this fact to Demidov. The ore deposits discovered in this locality proved to be particularly rich in copper, and hence Demidov founded the first copper smelting works in the Altai, as early as 1726. He called these works the Kolyvano Voskresensk Works. In 1739, he erected the Barnaoulsk Works, which subsequently, in 1771, became the town of Barnaoul, and became the administrative centre of all the works of the Altai region. In 1744 Demidov erected a third work in the present Semipalatinsk province on the borders of the Altai region.

In 1735 Demidov discovered the Zmeinogorodsk Mine, but it

In 1735 Demidov discovered the Zmeinogorodsk Mine, but it was left unnoticed as the amount of copper in it proved inconsiderable. Soon afterwards, however, namely, in 1847, rich argentiferous lead ores were found in the Zmein Mountains, from which Demidov in 1744 and 1745 obtained 2 pouds 25½ lbs. of silver. Subsequently by an Imperial ukase of the 15th May, 1747, all the mines and works of the Altai passed into the hands of His Majesty's Cabinet.

of His Majesty's Cabinet.

From that time the mining industry of the Altai made rapid progress. The discovery and laying out of new mines continued to the close of eighteenth century. The following were the chief of these mines:—The Cherepanovsk in 1781, the Salairsk in 1781 the Riddersk in 1784, and the extremely rich Zyrianovsk Mine in 1791. The following works were erected by the Cabinet:—The Pavlovsk in 1763, the Souzounsk in 1764, the Tomsk in 1770, the Loktevsk in 1771, the Aleisk in 1774, and the Ekaterininsk, afterwards called the Gavrilovsk, in 1793. Two more works were erected in the present century, the Zmeevsk in 1804, and the Gourevsk in 1816. Nearly all the works in the Altai are silver smelting works, the only exceptions being the Tomsk and Gourevsk Iron Works, and the Souzounsk Works, which smelt copper as well as silver. According to their geographical position, all the ore deposits of the Altai mining region may be divided into two independent groups. The first of these groups—the so-called Zmeinogorsk region—lies in the southern portion of the Altai region, in the systems of the rivers Obi and Irtysh; and the second, or Salairsk region, lies at the north-eastern extremity of the Altai region in the system of the River Toma. The most important difference in the conditions of these two groups is that the works of the Zmeinogorsk region exclusively employ charcoal fuel, while those of the Salairsk region, being in the near neighbourhood of the Kouznetsk coal basin, work

The mountains which contain the ore deposits in the Zmeinogorsk region belong to the branches of the Sayansk Mountains; while those in the Salairsk region belong to the branches of the Altai Mountains. They generally have the appearance of rounded volcances, without any rocky peaks. As a rule, the height of these mountains does not exceed 4000 to 4500 feet. The predominating rock in these mountains is clay slate, and is more rarely crystalline schists, upheaved by porphyries, which most likely played an important part in the formation of the ore deposits. At the foot of the ore-bearing mountains there are strate of sedimentary formations of different periods, consisting of slates, limestones, and sandstones. The ore deposits belong to two classes—veins and stock works. All the vein deposits bear the general character of steeply-inclined, short, and thick veins. They generally occur on the borders of the junction of the clay slates with felsite porphyries. The vein deposits of the Salairsk Mountains are accompanied by veins of quartzose felspar porphyries, which in their zone rise to the formation of ore-bearing cavities. As a rule, stock works are rare in the Altai, and are only known for the copper deposits, and then they are not of great extent.

not of great extent.

As many as 800 deposits of metallic ores are known in the Altai mining region. Altogether, however, only about 500 mines have been exploited, out of which only eight silver and two copper mines are now worked. The silver ores contain a smaller or larger amount of various compounds of copper, lead, zinc, and iron, which modify the external appearance, properties, and richness of the ores. Thus, as a rule, those ores which are rich in lead or copper are poor in silver. The copper ores have the most uniform composition. Gold is found in only two of the silver mines—the Zyrianovsk and the Ridersk—and is distributed in a very variable extent throughout the deposit. Generally it appears in dependence upon a decrease in the amount of silver and other metals, and occurs sparingly in ore-bearing quartz in poor ferruginous silver ores. The metalliferous ores are either ochre or pyritic ores. The ochre ores occur in the upper level of the deposits, and were formerly the chief objects of exploitation. As they descend to a greater depth the ochre ores gradually change into pyritic ores. All the Altai mines, at their greatest depth of 70 to 100 sagenes, pass into a zone of transition of the ochre into pyritic ores, and hence the ore is oxceedingly variable in its composition and richness in metal. The ochre ores are generally richer than the pyritic, and this distinction is most evident in the case of silver ores; the transition of the ochre into pyritic ores generally has an extremely unfavourable effect upon the richness of the ore in silver and lead; besides which, the smelting of the ores becomes much more difficult. For this reason the existing mines are not in a position to vield the same amount of metal as formerly.

The amount of silver and lead in the cres is subject to great fluctuations. In the ochre cres the amount of silver varies from \$\dagger\$ to 10 zolotniks per poud of ore, and the amount of lead from 6 to 12 pounds per poud of ore, or 15 to 30 per cent. The pyritic ores are very much poorer. The amount of copper in the ores, smelted at the Souzounak Works, is from 5 to 10 per cent. Very many of the silver mines are accounted quite exhausted, and, therefore, their exploitation has been entirely

stopped. Among these it is impossible to avoid mentioning the Zmeinogorsk Mine, which for a period of some 70 years yielded over 50,000 pouds of silver. Other mines were worked for a much shorter period, and after giving several thousands pouds of silver were found to be exhausted.

At the present time the most productive mines are the Zyrianovsk, in the Zmeinogorsk region and the Salvirsk mines in

At the present time the most productive mines are the Zyrianovsk, in the Zmeinogorsk region, and the Salairsk mines in another portion of the Altai region. The first named now yields about 500,000 pouds of ore, and the latter which, during the eighties, yielded from 700,000 to 1,000,000 pouds of ore, in 1891 gave only 395,400 pouds. The Zyrianovsk deposit is now considered the most productive of all the deposits of the Altai. In lies in the south-eastern portion of the region on the River Maslianka, 12 versts distant from the left bank of the River Boukhtarma, and 70 versts from the River Irtysh. The Zyrianovsk deposit is about 340 versts from the nearest silver smelting works—the Zmeievsk Works. The Zyrianovsk deposit has yielded more than 45,000,000 pouds of assorted ore, containing over 45,000 pouds of silver, and over 2,500,000 pouds of lead.

The Salairsk lat and Salairsk 2nd—are very thick and extensive, and guarantee a supply of ore for smelting for a very long time,

The Salairsk deposits, which are now exploited by two mines—the Salairsk 1st and Salairsk 2nd—are very thick and extensive, and guarantee a supply of ore for smelting for a very long time, but the ores of these deposits are poor in silver. Only two copper mines are now in work—the Sougatovsk and the Chudak. These mines are situated in the southern portion of the region, not far from the Irtysh, but at a distance of 400 versts from the Souzounsk Copper Smelting Works. At the Sougatovsk Mine, besides ore, a cement copper is obtained from the mine waters. The ores of the Zmeinogorsk region were smelted at four works—the Barnaoulsk, the Pavlovsk, the Loktevsk, and the Zmeievsk, but the first three of these are now closed. The Salairsk region

but the first three of these are now closed. The Salairsk region contains the Gavrilovsk Silver Smelting Works.

The statistics respecting the amount of silver smelted at the Altai works, show that at the beginning of the present century over a thousand pouds of this metal were annually smelted during a period of many years. Such was the position of the works at the time of the liberation of the serfs—an event which in 1862 produced a complete revolution in the economic order of the country, and changed the conditions of the mining industry in this poorly-populated region. During the first years following the liberation of the serfs, the production of the Altai works remained almost as before, thanks to the energetic production of rich ores from previously-prepared workings in the Zyrianovsk and Talovsk deposits. The increased price of labour led to a considerable reduction in the amount of preparatory and exploratory diggings, which had the necessary consequence of gradually decreasing the stores of ore, and of subsequently reducing its actual production. The abolition of obligatory labour not only raised the wages at the mines, but also considerably increased the cost of transporting the ore, and this clearly proved the disadvantages of the great distances between the mines and the works. Moreover, the rise in the price of fuel, owing to the exhaustion of the forests in the neighbourhood of the mines and the feeble development of the mechanical parts of the works, also influenced the position of the mechanical portion of the Altai works was placed upon another footing. It is worthy of remark that so early as 1766 a mining engineer, Polzounov, orected the first steam-acting blowing engine for blast furnaces at the Barnaoul Works. Polzounov may justly be called the forerunner of Watt. In the Altai also the first experiment of laying down a tram line was made in 1817, for transporting the ore from the Zmeinogorsk Mine and the Zmeievsk Works, along a distance of 2½ versts.

Owing to the above-mentioned causes, th

Owing to the above-mentioned causes, the production of silver at the Altai began to decrease considerably, especially since 1868; so also the amount of copper smelted, which in 1872 amounted to nearly 40,000 pouds, subsequently gradually fell. The following table gives the production of the Altai mining region during the last ten years:—

Years.	Pouds, P	ounds.	Lead.	Copper. Pounds.
1882	397	251	14.890	 16,800
	368			14,015
1884	446	291	20,083	 24,000
	535		16,706	 24,605
	613		22,079	 17,800
1887			31,117	
	682			18,200
1889		14		21,073
	681			
1891	595	71	11.188	 13,193

In reducing their smelting of silver and lead, the Altai Works are adopting a wet process for the extraction of silver from the ores, after a method invented by a Hungarian engineer—Bitzansky—for treating the ores from the Zyrianovsk Mine.

Bittzansky—for treating the ores from the Zyrianovsk Mine. In Eastern Siberia, old workings of galena in crystalline limestone have been discovered in the Government of Yeniaeisk in the Minousinsk district at the Irbinsk estate. A large number of Chud mines have been found on the eastern declivity of the Alatau Mountains, and beyond in the valley of the Yenisei. These workings were renewed in the middle of the seventeenth century, and the Lougazhsk copper smelting works were erected here at a distance of 9 versts from the Yenisei and 25 versts from the town of Minousinsk. These works not only smelted ores from the town of Minousinsk. These works not only smelted ores from the surrounding mines, but also from more distant localities; from the upper courses of the rivers falling into the River Abacan, and from the Mainsk Mine on the Yenesei at the village of Oznachennyi. In 1874 the Spassk copper smelting works were erected on the River Pechits. These works smelted ore from the Mainsk and several other mines. They, as far as is known, only worked between 1879 and 1881, and altogether smelted about 1250 pouds of copper.

Deposits of argentiferous galena are known in the Government of Yakutsk at several points along the Vilua and Undybala, the tributary of the River Yana. In 18.0 the latter deposit was explored, but it was found unsuitable for exploitation owing to its distance from populated localities, and the searcity

Deposits of argentiferous galena are known in the Government of Yakutsk at several points along the Vilua and Undybala, the tributary of the River Yana. In 18.0 the latter deposit was explored, but it was found unsuitable for exploitation owing to its distance from populated localities, and the scarcity of forests. In all probability, this was also the reason why the exploitation of the Undybalsk mine, which was carried on from 1765 to 1775, was afterwards stopped. There is another deposit in the Yakutsk province, on the River Batoma, a right tributary of the Lena, where, it is said, the native Yakuts smelt lead and

(To be continued.)

A New Map of India.—The issue, in connection with the Indian Engineer, of a new map of India 7 feet, by 6 feet in size, and printed in four colours, will be found to meet admirably the needs of those interested in the inter-communication by river, canal, and railway, of our Eastern Empire. For purposes of simplification the mountains, hills, and towns of lasser importance have been excluded, and while the general consultant is, by this means, practically ignored, the special value of the chart to those for whose benefit it is issued is thereby greatly enhanced. We heartily congratulate our contemporary upon the enterprise, and the Indian civil engineer upon the benefit he will derive from it.

MEETINGS OF MINING COMPANIES.

BISSENBERGER MINING COMPANY, LIMITED.

HE first general (statutory) meeting of the shareholders of the Bissenberger Gold Mining Company (Limited) was held on Saturday last, at Broad-street House, E.C., under the presidency of Mr. F. A. THOMPSON (the Chairman of the company).

The SECRETARY (Mr. Percival Tibbs) read the formal notice of

The CHAIRMAN said: Gentlemen, this being the statutory meeting there is but little to be said; but what little there is I believe you will consider to be good. The company was registered on Outober 3 of last year, and the transfer of the property, free and unencumbered, as mentioned in the prospectus, has now been registered in the name of the trustee for the company. We commenced operations by continuing the sinking of the then existing shafts on the underlie of the reef, and have carried them down to a death of 150 feet in the other. The depth of 150 feet in one instance and of 130 feet in the other. The reef has not been found less than at the surface, namely, 2 feet 6 inches, and its value has not been less than at the surface, amely 1 ounce, by dollying prospects, to the ton. I have here a tter from our agent, who is the trustee, received this morning. It

The manager's report says: Block 279: Depth attained to date, 150 feet; width of reef, 2 feet 6 inches. —Block 250. D-pth at ained to date, 130 feet; width of reef, 3 feet. Dollying prospects 1 onnee of gold per ton. This refers to both at buttom of the shafts. There are indications of improvement in width of reefs and gold-bearing quartz. According to instructions I have taken up the additional 24 acres. Contracts have been completed. Bend instructions at once to continue the development by contract or otherwise.

These shafts, as I have stated, are upon the dip or underlie of the reef, and in no instance have we departed from them. It is the intention of the board are outlined these shafts to whatever the water level may be, and then to connect these shafts by a drive upon the reef, from which it will be seen that the ore extracted as the work progresses will in a large measure reimburse the original expenditure of working capital. The 24 agree referred to as having bean taken up would will in a large measure reimburse the original expenditure of working capital. The 24 acres referred to as baving been taken up would be represented by two blocks lying to the south-east of the outcrop claims. They were taken up as deep level claims under the arrangement with the Government, and being each 12 acres in extent, we can surrender them, and take up one lease of 25 acres to cover the two making 24 acres across the reef thus saving on the labour requirements. We are situated one mile from the famous White Feather Reward Claim, known as McAuliffe's, and the reports state beyond question that we are working upon the McAuliffe's Reef. There can be no question whatever that when we commence driving operations, as suggested, at the lower level we shall find far richer There can be no question whatever that when we commence driving operations, as suggested, at the lower level we shall find far richer bodies of ore than we are now working upon; but, taking the uniformity of the rest and the nature of the rock in which it is contained, there is no doubt, in my mind, that we shall be able to work even the youngest reef in the White Feather district with a very handsome return to the shareholders. The extension of the drives which I have mentioned between the two shafts, and in opposite directions from the shafts, upon the line of reef, will develop the ore contained in the reefs from that depth to the surface, and we shall have stoping area sufficiently ahead of the mill, when erected, to er able us to run a 10 or 15 stamp mill without hindrance or discontinuance when once started. This, gentlemee, is all I have to say upon the subject at the present time, but I may add that I am the largest individual shareholder in the Bissenberger Company, and I am buying rather than selling.

and I am buying rather than selling.

Mr. H. A. OAKS: I have very little to add to the Chairman's remarks. I can only say, from what little I know of mining, that the progress seems to be very satisfactory indeed. You have opened up a large body of ore, and when once you get to crushing you will,
I believe, obtsin very handsome returns. I may say that I know the
White Feather district very well, and I believe in it.

A SHAREHOLDER asked what the estimated crushing expense

would be.

The CHAIRMAN, in reply, said that the directors had not yet gone into that question sufficiently to enable them to state positively what the expense of the crushing would be; but in other parts of the field they were keeping the expense of crushing down to £1 and he did not see why they could not do it at from £1 to £1 2s, which would leave them very good returns at 1 ounce per ton.

A vote of thanks to the Chairman terminated the proceedings.

PREMIER CONCESSIONS OF MOZAMBIQUE.

A subsidiary company to be formed.-The company's prospects improving.

An extraordinary general meeting of the Premier Concessions of Mosambique (Limited) was held on Monday, at Winchester House, Old Broad-street, E.C., under the presidency of Mr. D. F. CARMI CHAEL (Chairman of the company).

The SECRETARY (Mr. H. Sianey) read the notice convening the

meeting.

The CHAIRMAN, at the outset, explained the circumstances under which Mr. Parsonson, the gentleman who sold them the concession, and who was a member of the board, went out to Africa. Af er twelve months' absence he had just returned, and he was there to give them an account of the proceedings he took, and of the position of the important concession which he secured.

Mr. J. M. Parsonson said: Having returned on the 22nd plf.

of the important concession which he secured.

Mr. J. M. PARSONSON said: Having returned on the 22nd ult. from Mozambique, I have been asked by my co-directors to make a brief report to this meeting of shareholders upon the company's prospects and projecty. I was requested by the board to proceed to Mozambique in January last year, for the purpose, first, of arranging upon the most satisfactory basis possible the affairs of the unfortunate old expedition sent out by the company. My arrangements with regard to that expedition have been from time to time reported to the board, and I am happy to say that I succeeded in effecting considerable reductions in the claims which we found made against us. The second object of my visit was to locate the 50 farms of 2000 hectares, each conceded to the company by virtue of my own concession from the Mozambique Company. Having previously visited the Mozambique territory, and being fortunately able to converse and correspond in Portuguese, besides having several business connections correspond in Portuguese, besides having several business connections in and about Beira and Massi Kessi, I was enabled upon my arrival to proceed to work with very little delay. On my way to the Mozambique territory I had called at Lisbon, where I received considerable assistance from the Marquis de Foubes, whose name appeared on the prospectus of the company as a director. Every reaconable facility was given to me, and offers of such further assistance as might be nessessary to enable me to bring the concessions to a condition of commercial value. Arrived in Mozambique, I had interviews with Colonel Machado, the Governor-General of the territory, and eventually I obtained from him permission to locate the 50 farms in the positions shown upon the map which I understand has been forwarded to all shareholders. The titles were afterwards formally made out, and were forwarded by me to your directors. I employed an engineer and surveyor and a prospector. nis de directors. I employed an engineer and surveyor and a prospector, and received from both of them very encouraging reports as to the land surveyed. Several of the farms were located close upon the line of demarcation between the Mosambique territory and the British South Africa Company. Some trouble afterwards happened with regard to certain farms, it being alleged by the British South Africa Company officials that they were an encreachment upon the British my officials that they were an encroachment upon the British Mr. Oxley and Mr. Newman, however, the surveyor and prolines. Mr. Oxisy and Mr. Nawman, nowever, the surveyor and pro-spector, had furnished me with information which led me to believe that a tract of country lying somewhere to t.e south of the farms located on the Revue river, and eastwards from the boundary line, was much more suitable both for farming and mining purposes

than the boundary farms. It is this district, I understand, that your company proposes to hand over to the proposed new company under the scheme which is to be propounded to you to-day. Mr. Oxley particularly speaks of this land as being undoobtedly auriferous. In addition to the evidence afforded by the geological formation, the testimony of the natives as to gold finding is of the most certain character, and I have seen a large number of ounces of gold washed by the an ives from the streams. The country selected for all the company's farms is quite away from the belt of land infested by the "fly." What it more particularly concerns the company to know at the present time is that the farms on the Revue river and the neighbourhood southward, to be taken over by the new company, as well as those north of Massi Kessi, are brought within easy reach of civilisation by means of the Beira Railway, so that the transport of men from Beira can be effected without any risk of life through fever, which makes fearful havoc among the European residents just within the coast line. I think this company ought, without delay, to take steps to form other subsidiary companies, and although I naturally expect a good deal from mining, with regard to which certain arrangements have yet to be made with the Mozambique Company, but have been promised to me, I also think that a very great amount of importance attaches to the land itself, which is peculiarly fertile, and yields rapidly to even the most primitive form of agriculture. The nearness of the British South Africa Company's possessions to the bulk of our farms will ultimately prove of great value as a market for the disposal of farm produce. In conclusion, I have to say that I think, with prudent management, the shareholders of this company ought to receive from their dealings with subsidiary companies alone a return of at least twice the than the boundary farms. It is this district, I understand, that the shareholders of this company ought to receive from their dealings with subsidiary companies alone a return of at least twice the nominal amount of their capital, besides creating a permanent rent charge. I was much disturbed to find from letters received at Lisbon on my way home that the company was in peril of its exist-ence, and consequently more than gratified to find that vigorous steps are now being taken to put it upon the platform it ought to

Mr. T. H. NORTH stated that he had been asked by his colleagu Aft. T. H. NORTH stated that he had been asked by his colleagues on the board to exclain the exact position of affairs as it now existed. Three weeks ago it seemed to him that this company was going to drift into a position of absolute winding-up, and he ventured to make to his co-directors one or two suggestions, which he was glad to say were at once acquiesced in, as to the course to be nursued. Part of that course was that, without waiting for the formality of an ordinary general, meeting, thus should at once appears or the state of the course of an extinct of the course of the co Part of that course was that, without waiting for the formality of an ordinary general meeting, and lay the facts of the case before the shareholders. (Hear, hear.) So many matters connected with this company were of a delicate nature that he did not propose to go into all of them. They had made up their minds that the proper course to adopt was to get out of their difficulties. The right way to begin was not by throwing mud, but there was one thing he ought to say, and that was that the company's existence had been threatened. It was, unfortunately, true that since this comoany was registered it had apparently done no good, but that was no reason why a petition should be put upon the file to wind it up. When he discovered the state of affairs he personally instructed counsel to oppose, and he did not intend that the company should be wound up. Well, it seemed to him that the shareholders would be exceedingly foolish if they did not take advantage of the present state of the South African market. They had a territory big enough to carve out of it haif a-dozen companys, each sufficiently large to make a fortune for the parent company. They had settled, through the Mozambique Company, 50 farms, of a total area of 380 square miles, located by this company at various parts of the Mozambique country, and Mr. Parsonson had obtained for them the best farms and locations. At the present meeting the directors proposed to place their resignations in the hands of the shareholders and then and locations. At the present meeting the directors proposed to place their resignations in the hands of the shareholders, and then to ask them to adopt a draft contract for the sale of certain of the company's concessions. The company had been in extrems; and unless somebody had taken a strong step it would probably have been in the hands of the Official Receiver. It would certainly have been a thousand pities to let this company go to ruin, with the fine prospects which it had. (Hear, hear.) He had, therefore, made ad. (Hear, hear.) He had, there which were embodied in the res suggestions, washortly submit.

The CHAIRMAN said the present directors were Messrs, Moreing, The CHAIRMAN said the present directors were Messrs. Moraing, Parsonson, North, and himself, and they all tendered their resignation, so that the shareholders might have a free hand in appointing the new board. Mr. Parsonson and biraself were willing to continue in office, but Mr. Moreing could not do so on account of pressure on his time, and Mr. North did not seek re-election, because he would be the contractor in the proposed subsidiary company.

On the motion of the CHAIRMAN, seconded by Mr. A. J. LOWE, the resignation of the directors was formally accepted.

Mr. NORTH moved; "That Dr. Septimus Gibbon, Mr. J. M. Parsson, Mr. A. J. Lowe, and Mr. D. F. Carmichael be appointed directors of the company until the ordinary general meeting to be

sarson, Mr. a. J. Lowe, and ar. D. F. Carmichael be appointed directors of the company until the ordinary general meeting to be held in the year 1896, with power to add to their number, if necessary, in accordance with Articles 59 and 60 of the company's Articles of Association." A provision suggested by Mr. North, and accepted by the gentlemen named, to the effect that the remoneration to be received should not exceed £500 a year for all the directors until the shareholders shall have received a dividend of not less than 10 per cent, in each year, was added and it was decided to convene shareholders shall have received a dividend of not less than 10 per cent. in each year was added, and it was decided to convene a meeting within two months of that date for the purpose of altering the Articles of Association in that and any other respect that might be deemed necessary. In support of his motion, Mr. North explained that under the Articles, as they stood, the directors might have received three times the amount now mentioned, but, as a matter of fact, very little indeed had been received by any director. The suggestion now was that there should be a small allowance for attendance at each board meeting, so that £500 would be an outside figure for the year.

Mr. Brandon seconded the motion, which was carried unani-Mr. BRANDON seconded the motion, which was carried anani-

mon-ly.

Mr. North read the terms of the proposed contract with reference to the formation of a subsidiary company to take over five blocks of the company's property as follows:—"That it be a direction to the new board of directors to enter into a contract with Mr. T. H. North, or his appointee, with all dispatch, upon the following lines, with such modifications as they may determine: Mr. North to constitute a company, having a capital of £50,000, for the purpose of acquiring from the Premier Concessions of Mozambique (Limited) five farms in the district between the intersection of the Revue and Bosi rivers, or any five other farms as may be mutually Revue and Bosi rivers, or any five other farms as may be mutually agreed, the following to be the points to be observed in the contract:

—1. All the Premier Concessions Company a rights in these five farms to be transferred to the new company in consideration of the rarms to be transferred to the new company in consideration of the entire share capital of the new company being handed to the Pre mier Concessions Company, and in consideration of the new company paying an annual rent of £100 per farm; the Premier Concessions Company undertaking to provide, as and when required for the premier concessions the premier company and for working capital to the premier content of t the purposes of the new company, cash for working capital to the amount of £15,000.—2. Mr. North to contract with the Premier Concessions Company to provide for them £15,000, arising from the sale by him of £15,000 of shares of the new company, in consideration of the transfer to him, by way of payment for all advertising, printing, brokerage, and other expenses, of £5000 shares in the new company." The effect of this contract would be, Mr. North new company." The effect of this contract would be, Mr. North explained, that £30,000 worth of shares of the new company would belong to the Fremier Concessions Company; £15,000 would go for working capital in the new company, and £5000 would be the payment for obtaining, free of cost or deductions, that capital; and that, he considered, was a very reasonable amount. (Hear, hear.) The £15,000 would thus be available for leveloping the property. The land selected for the subsidiary company had been reported upon by two gentlemen who had acted for the Premier Concessions Company, and was stated by them to he highly surfaces in additional contracts. company, and was stated by them to be highly auriferous, in addition to the surface being such as would enable them to do exceedingly good farming business with their friends—the British South Africa Company—on the other side of the border.

A SHARRHOLDER saked whether the farms selected were the five best on the company—ones.

est on the company's property.

Mr. Pausonson, in reply, said that these were the first to be deve-

loped sufficiently to prove their value. The company had 45 other farms, and, no doubt, as their work went further, they would be able to dispose of others in a similarly profitable manner.

Mr. Brandon moved, and Mr. Poole seconded, a resolution empowering the directors to enter into the contract with Mr. North upon the terms submitted. This was put to the meeting, and carried ananimously.

A vote of thanks to the Chairman terminated the proceedings.

ABERCORN REEF COMPANY, LIMITED.

Statutory meeting.-The Chairman speaks enthusiastically of the property.

The above company held its statutory meeting at the offices, on Monday, under the presidency of Mr. ARTHUR L. FYEE.

The CHAIRMAN said: Gentlemen, it is a peculiar fact, and one of no small significance, that when a company is prosperous it is quite a difficult matter to make a quorum at its meetings; but should, by any mischance, it fall on troublous times, there is equal difficulty in finding a room sufficiently large to hold the discontented shareholders, who, when there are no dividends, desire to show the directors that they are only their servants, and who usually convey that information in somewhat plain, if not pleasant, language. I only remark this in passing, but from the thin gathering here assembled I gather that there is, at any rate, up to the present, no person who is discontented with us or mi-trustful as to the future of this company. And I must admit that there is, so far as I know, no reason why they should be; in fact, though I wish to be as modest as I can be, I feel it my duty to tell you that whatever has been achieved (and I will shortly tell you what has been) has been due to your beard, and, in particular, to one member of it, whose knowledge of the country where your property is situate has enabled us to the total or the property is situate has enabled us to not the property is situate has enabled us to not the property is situate has enabled us to not the property is situate has enabled us to not the property is situate has enabled us to not the property is situate has enabled us to not the property is situate has enabled us to not the property is situate has enabled us to not the property is situate has enabled us to not the property is situate has enabled us to not the property is situate has enabled us to not the property is situate has enabled us to not the property is situate has enabled us to not the property is situate has enabled us to not the property is situate has enabled us to not the property is situate has enabled us to not property is situate has enabled us to not prop achieved (and I will subrity tell you want to your beard, and, in particular, to one member of it, whose knowledge of the country where your property is situate has enabled us to pick up 12 claims, which will, we believe, yield very rich returns. The position was briefly this. Mr. O. Hill, who knows South Africa thoroughly, from Cape Town to the Zambesi, had in the course of The position was briefly this. Mr. O. Hull, who knows South Africa thoroughly, from Cape Town to the Zimbesi, had in the course of his journeyings discovered some old workings on the Outinaqua Mountains, the property of the African Gold Concession Company. From these old workings he obtained samples which pannings showed to be valuable; but, like a discreet man, he kept his discovery to himself, and set to work to find the money to purchase his Tom Tiddler's ground. With this object he consulted several of his friends here, and obtained sufficient support to warrant his approaching the Concession Company with a view of purchasing what herequired. But he found, on making enquirles, another competitor in the field. This was no other than the Umtoli Company, a concern which had already acquired some neighbouring property, which appears to—in fact, there is little doubt that it does—possess the same reef that passes through our property. The negotiations were, therefore, somewhat difficult, but I will not weary you with them. The Umtoli people, doubtless on information furnished by their agents on the spot, had practically asked for an offer of the property to them. We, on the contrary, definitely made an offer to the Concession Company, and that offer was accepted. Had the directors not been willing to unlertake personally the responsibilities which this company afterwards assumed, the negotiations could not have been carried through, and someone else would have taken the property before a company could have been got into proper shape for a coupling it. So, zentlemen. negotiations could not have been carried through, and someone else would have taken the property before a company could have been got into proper shape for acquiring it. So, gentlemen, whatever we have got is certainly due to your directors, and we hope and believe that you have secured something worth having. Now, I will tell, you something of what we have got. It is a mine in the strict sense of the word; but, with mining, one usually associates sinking a big hole in the ground, and putting a windless on the top of it to had the workmen up and down, and buckets to bring up the ore. Well, ours is not a mine in that sense of the word. Our reef outcrops on the side of the hill, and all we have to do is to tunnel some distance further down the hill and cut the lode, which can then be stoped at ease. Doubtless we shall later on have to sink for further development; but I am somewhat conservative, and I like to see my way before spending money in expensive mining operations, such as shaft sinking, which, whatever the result may be, is, at any rate for the time being, sinking money also. Now we be, is, at any rate for the time being, sinking money also. Now we have not to sink much money. Our operations for the present are simple, and there is this about them—that if what we believe about this property should turn out to be ill-founded, we shall not have this property should turn out to be lit-rounded, we shall not have spent much money in finding it out; while if what we believe about this property is well founded, we shall have a mine which will pay not only big profits when developed, but whose development work will also pay for itself and leave a margin over. Such a mine is one in which, I think you will agree with me, an ordinary conservative business man may well take a hand and adventure at least a little. Isay that advisedly, because I think that mining is a thing that overynee quelt to take some hand in het that nobody should not in the one ought to take some hand in, but that nobody should put in the same category as consols and invest their al in it. Some people make targe for tones by "backing "on mining prospects, but I do not think it is a course to be recommended. I am, however, wandering from my subject, and I will not do so, as I do not wish to detain you at any length. Our prospects are brilliant, I believe; our expenses will not be heavy as regards mining, and then we have the mill matter to deal with. Well, gentlemen, I daressy most of you will have read the report of Mr. Hammond to the British South Africa Company on Matabeleland. I was much struck in that report by the guarded way in which Mr. Hammond reported on the country, and when I had finished reading it once I was doubtful for a moment as to whether the report was favourable to the country or the reverse. So I read it again, and this is my conclusion—you may take it for what it is worth. I consider that Mr. Hammond is enthuriastic about the prospects of Matabeleland, and, afraid lest his ought to take some hand in, but that nobody should put in the take it for what it is worth. I consider that Mr. Hammond is enthusiastic about the prospects of Matabeleland, and, afraid lest his enthusiasm should carry him away, he has chosen the most careful language he could find with which to express his views. But his statements of fact are most explicit, and no intelligent reader could, I think, come to any other conclusion that the one I did, viz., that the courtry is a rich one in gold and other metals. His cautions are frequent, and the one when he said that the reefs should be recorded to door the before expensive machiners were taken. cautions are frequent, and the one when he said that the reefs should be proved to depths before expensive machinery were taken up the country, much impressed me. Enthusiasm is very liable to carry one away, and in matters like machinery which means so much per pound per mile for carriage, great caution is necessary. Now, we are not in the same position as Matabeleland, inasmuch as we are a great deal nearer civilisation and railroads. But we are going to be equally cautious, and I think you will say with good reason; for our negotiations respecting the purchase of this property brought us into contact with the managing agents of the Umteli Company, whose property, as I have before told you, adjoins ours. They are, of course, in a more have before told you, adjoins ours. They are, of course, in a more forward state of development than we are, and their work has enabled them to ascertain that they are justified in putting up a mill, and the work of creating it is, I believe, in progress now. Our contract with them, although somewhat antagonistic at first, has ripened into friendship, and they have promised to give us any assistance in their power. That assistance will take the form of passing through their mill a certain quantity of ore from different parts of our developments, and when those have satisfied us that we can absolutely rely on the richness and extent of our reef, then we will make more permanent arrangements, either by adding to their stamps on equitable arrangements, or by putting up a mill of our own. We will, I can assure you, gentlemen, pash on with everything that is desirable as quickly as possible; but we will not hazard a false step. I think that is all I can tell you to-day, but we will keep you well informed on all points of interest, and call you together again as soon as achievements justify us in doing so. If there is any point which suggests itself to any shareholder present, I shall be glad to

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give him information upon it as fully as possible.

Mr. William Miller said he thought the statements of the Mr. William millim said no thought the statements of the Chairman were highly satisfactory, and there was only one question he would like to ask. That was, whether the whole of the purchase price had been paid to the African Concession Company, and whether it would have any further claim on the profits of this com-

The CHAIRMAN said that, so far as the cash portion of the pur-hase price was concerned, that was all paid; and as regards the hare, they would be issued very shortly. In fact, it was only the smallty of signing the certificate which was necessary, and that shares, they would be issued very shortly. In fact, it was only the formality of signing the certificate which was necessary, and that would be complete in a few days.

The meeting then terminated with the usual vote of thanks to the Chairman and directors.

BIG BLOW GOLD MINES.

An enthusiastic meeting.—Brilliant accounts from the property.

The statutory general meeting of the Big Blow Gold Mines (Limited) was held en Wedowdsy, at Winchester House, Old Broadstreet, E.C., Captain W. BELL MCTAGGART presiding.

The SECRETARY (Mr. W. H. Jeffers) read the notice convening

The CHAIRMAN said: Gentlemer, this, as you are aware, is a statutory meeting, and there is, consequently, no report or accounts to be presented to you; nevertheless, it affords us the opportunity of meeting for the first time since we have gone into partnership, and it also gives me the opportunity of telling you as much as I know about the part, the present, and the future of your property. The company was registered in October, and it was issued to; he public in November; but before we did so we made an arrangement with the vendor that the first £20,000 received from the public, or from any other source, should be absolutely set a ide for working capital, and that until £20,000 had been provided for this purpose the vendor should receive nothing in cash. Well, the company was issued, and the public responded to a very fair amount. The £20,000 was subscribed and set on one side, and is absolutely at the disposal of the company for its proper purposes. (Applause.) The vendor was also satisfied, and in due course the property was transferred to you, with the approval of your solicitors. As soon as that was done your board, fully appreciating the necessity of rapid development, put in hand orders for machinery, consisting of a 20 head stamp battery, winding and pumping machinery, rock breakers, engines, boilers, and all the necessary appliances to put your mine in a dividend-paying position as soon as possible. The board was fortunate enough to secure the services of Mr. Solomon Stern as The CHAIRMAN said: Gentlemen, this, as you are aware, is a engines, boilers, and all the necessary appliances to put your mine in a dividend-paying position as soon as possible. The board was fortunate enough to secure the services of Mr. Solomon Stern as your manager in Australia. This gentleman is one of the best-known and most respected inhabitants of Western Australia. His record is in every respect a sati-factory one, and I can really congratulate you on our having been enabled to induce him to take charge of the property. Besides this, we have sent out—and he is now on the way—a most experienced millman; rather an expensive officer, it is true. But we felt that Western Australia is, more or now on the way—a most experienced millman; rather an expensive officer, it is true. But we felt that Western Australia is, more or less, a new field. We are told that the quartz is free milling, and I believe that is true; but, at the ame time, in depth many varieties are found, and we felt that it was, above all things, necessary at the beginning of such an enterprise that a gentleman should be sent out who was accustomed to treat quartz of any description, whether refractory or not. Mr. Harrington has had a large experience in refractory or not. Mr. Harrington has had a large experience in America, Colombia, and Africa, and not only is he an expert in the treatment of quartz, but he has an experience in the American system of milling in mines with overhead gear, so as to economise the cost of labour as much as possible; and in the working of this class of machinery he has been exceedingly successful. Under the superintendence of Mr. Stern he has undertaken to erect your machinery in the most modern fashion, and in order that he might the more readily do this, for some time before he went out he spent many days in the factory of Messrs. Fraser and Chalmers, who are making your machinery, so that he might thoroughly acquaint himself with every class of their work, how it should be fitted, and the best way of erecting it speedily, and to should be fitted, and the best way of erecting it speedily, and to the best advantage. In response to enquiries from the board, Mr. Stern wired briefly to the effect that the development of the mine fully justified the expectations which had been formed—which was stern wired brieny to the effect that the development of the mine fully justified the expectations which had been formed—which was exceedingly satisfactory; and a fortnight later he telegraphed that at a depth of 100 feet the amount of quartz in sight was unlimited. The issue of the company was, of course, accompanied by a prospectus, and this prospectus, I think you will all agree with me, contains some very remarkable statements—statements which were received, I think, by the general public with incredulity. Perhaps many of you have come here to-day with the sort of feeling, "Well, I daresay there is something in it; but if it is only half as good as what is set forth I am satisfied." (Hear, hear.) I may tell you that in this feeling I heartily sympathised; for when this business was first brought to me by my friends, I was absolutely and scornfully incredulous, but my friends very soon took me to task. They made me think that I might be doing the gentleman who had reported on the mine an injustice, and I set to work to enquire, in the greatest possible detail, about all those people who made the reports, and I found that they were men of known repute, and were most of them actually in charge of mining operations in various parts of the field. They were men with an excellent record, and, not only that, they were men who were on the spot. They were not in the of the held. They were men with an excellent record, and, not only that, they were men who were on the spot. They were not in the habit of pouncing down upon a property, and staying there for 24 hour, afterwards bolting off with 500 guineas in their pocket, and going to the backwoods of America. No, gentlemen, they are there still, and any one of you can make enquiries regarding them. As to the vendor, he came to this country with exceedingly good credentials and introductions, which I myself took the trouble to verify. I found him perfectly straight forward in all his attempents. I found him perfectly straigh forward in all his statements; he never varied in them, and at the same time, if he had anything to say detri-mental to the prospects of the property, he did not he state to state it and to tell the truth. Now, under all those circumstances, my doubts mental to the prospects of the property, he did not heritate to state it and to tell the truth. Now, under all those circumstances, my doubts vanished; they had to go in the face of such evidence as that, and they did go, and the consequence is that I accepted the position of Chairman of the company, and have made myself responsible for the statements in the prospectors. (Applause.) In view of the telegrams which I have already read to yoo, I think you will see that those statements of the enormous bodies of ore in sight, and of their comparative value have not been in the least degree overstated. I know very well that some people may say: "It is true you have got an enormous mass of ore in sight, and it is fairly rich; but, supposing you have no water, how are you going to treat it?" I believe, myself, that the water question is a boggy—simply and entirely an overrated scare; for what has happened? In almost every field, when it is first introduced to the public, this cry arises. When you remember that the quartz lodes and reef are really the main drains of an enormous area of hundreds of square miles, and that your lodes are very big ones, I think it is almost certain that you will find water in sufficient quantities. Supposing some of those gentlemen who are not easily pleased say, "But if you do not get water, what then?" I will tell you that the resources of civilisation are not even yet exhausted. The railway will be up at Coolgardie within a year. The distance from our mine to Coolgardie is about a mile, and from there to Perth will be about 350 miles, and we can send our quartz by rail and treat it either by our own stamps—which could be receted at the side of the Swar irror, or consider a mile, and from there to Perth will be about 350 miles, and we can send our quartz by rail and treat it either by our own stamps—which could be erected at the side of the Swan river—or possibly by some public companies which will be formed simply for the purpose of treating quartz in large quantities. I do not think, however, that we ought to think this a difficulty, or an unusual thing; for it is within the experience of all of us that there are hundreds of thousands of tons of mineral sent every year from Lanark and Newcastle to London, which is about the same distance as from Coolgardie to Perth, and, after paying a handsome remuneration to the colliery-owners, the cost of the railway freight, and the material cost incurred in the splitting of it up into small parcels and distributing it all over London, we can buy this mineral for about £1 per buting it all over London, we can buy this mineral for about £1 per top. If we had to send down our quarts by rall it might cost us £1 a ton; it would cost us to mill it, say 10s, a ton, and to mine is 10s, more. If it costs you £1 for freight and £1 more for raising and treating the ore, there still remains a very large margin of profit on the handsome supply of rich quartz that you have absolutely in sight. (Applause.) I propose now to read to you the telegraphic report sent by your manager, Mr. S'ern, for this meeting; b. t. before

doing so I want you to bear in mind that Mr.Stern is a conscientious-bigh-minded gentleman, and if he errs at all he does so on the side of cartion. Therefore, although the statements in this report are of a most startling character, I have no hesitation in believing every word of them. This is the report, dated January 31, 1895;

most stattling character, I have no hesitation in believing every ord of them. This is the report, dated January 31, 1895;

Leve No. 38—Width of lodes proved by trenches to aggregate 125 feet; length proved for 800 feet. Taken at only 10 feet deep they will yield 80000 tons of ore; assays average 2½ ounces of gold per ton.—No. 1 shaft. This has been sunk between the Central and Eastern reefs to a depth of 100 feet, and a crosscut driven westward cut the Central reef at 7 feet from the shaft. This crosscut proved the reef to be 35 feet wide, and assaying 5 ounces of gold per ton. The crosscut has been ontineed for 18 feet beyond the reef. A crosscut east from No. shaft has been driven 120 feet, communicating with the air shaft.—No. 3 shaft. This has reached a depth of 100 feet, at which point a crosscut has been driven to the west of the shaft 130 feet. The reef intersected at this crosscut is 12 feet wide, assaying 2 ounces per ton. A crosscut to the cast has been driven 15 feet, and has intersected and entered a reef for a distance of 9 feet, not yet being through it, the assays from which average 2½ ounces. The Central reef runs north and south, and has a westerly dip—Lease No. 452. A shaft has been sunk 300 feet on this block in the country rock, where 700 gallons of water per day is being obtained. It is believed that in driving towards the lode a plentiful supply will be found.—Lease No. 227. A shaft has reached a depth of 100 feet, and the Central reef has been struck and penetrated for 12 feet, and is not yet through. A crosscut has been driven easiward 190 feet, and has intersected the Eastern reef, which has a thickness at this point of 8 feet, and assays 2½ ounces of gold per ton.—General. The shafts are timbered throughout, and fitted with ladderways. Timber is plentful for all mining and fuel purposes. Sufficient water is available for domestic purposes. Immense lodges of ore are in sight in the workings already opened up. The manager is confident that the mine will prove a good dividend-paying conc

Such a statement it has never been my lot either to promulgate or to hear at a general meeting, and, bearing in mind what I have told you about Mr. Stern's character, I think I may say it is satisfactory

you about Mr. Sterb's character, I think I may say it is satisfactory in every respect. (Applause.)

Mr. W. H. Webb: After the most exhaustive speech of the Chairman there remains very little for me to ray. I will, however, preface what I intend saying by remarking that I am very proud to meet you as shareholders in the Big Blow Company. I am very proud that I have been selected to be sent to England with this property. The last words the vendor said to me before I left were:

Mr. Webb you are coing to England with the very hear property. property. The last words the vendor said to me before I left were:

"Mr. Webb, you are going to England with the very best property that has ever been placed upon the English market from any part of the world." I will not go so far as that, because there have been some very good properties placed here; but I will confidently say this, without fear of contradiction, that it ranks as one of the best of any of the Western Australian properties placed on this market. You have heard a very great deal about other fabulously with a supporties. But I assure you we would not exrich properties, but I assure you we would not ex-change the Big Blow property for any of them. (Applause.) The statements in the prospectus no doubt appear most extraordinary. We thought they were most extraordinary ourselves. When I formed the first syndicate in Western Australia to prospect this property, to see if it was any good or not, I was made one of the first directors, and when I sent to Coolgardie to get the transfer the directors asked me directors asked me, before I accepted and before I raid over the purchase-money, to visit the mine and satisfy myself that it was a genuine thing. I did this and took away some of the quartz. I had a hole made of about 5 feet in depth, and took away some of the stuff to Perth. We picked out several of the pieces which showed coarse gold—that is, gold you can see with the naked eye without the aid of a microscope. After picking out the best pieces, and put-ting them in the secretary's office for the shareholders to see, there tirg them in the secretary's office for the shareholders to see, there was left some 37 lbs. of stone, which looked to the uninitiated like so much read metal. Some of my friends who came into the office rather twitted me about it, and remarked, "Is this all you have to show from the Big Blow?" A gentleman who was made an agent for a new battery wanted some stone to put through his batter, and, hearing that I had some stone, he came to me at my office to ask me to allow him to put the stone through. I consented to this, never inearing it to be a trial crushing; but, in my absence, he advertised that he was going to crush some stone from the Big Blow property. I told him that with a very strong microscope you could not see anything. I was very much annoved that he had could not see anything. I was very much annoyed that he had advertised it, because I thought it might do the property a good deal of harm. It, however, went through the battery, and out of 37 lbs. the yield was equal to 12 ounces all but 1 grain of gold to the ton. If we had crushed the whole lot of stuff that I had brought from the mine, I should think that it would have yielded from 200 ounces to 300 ounces. I may say that these pieces are in the office now. We had some samples on view here for several weeks for any of the shareholders to come and look at. You saw the assay of the 23 cwts.
of stuff put through by Johnson, Matthey, and Uo. We could
have made that, instead of 5 ounces 10 dwts., about 500 ounces; but that would not have been a fair result. I think that the away made by Johnson, Matthey, and C., is a very fair indication of what the property is. I fully endorse the remarks made by the Chairman with regard to our manager, Mr. Stern. I have known him for a great many years. He is a man of 28 years experience of gold mining in the Australian colonies, and he is, without doubt, one of the straightest and most conscientious men I ever met. On one occasion he said to me, "I would not sell my soul for any mine." I think the Chairman last week had an opportunity of seeing what sort of a man he was, when he refused to report on another property because he was interested in it. I say, in securing the services of Mr. Stern for the Big Blow property you have a man who will work for the interest of the shareholders in every possible way. The Big Blow is a very great pet of his, and if any man can make it a success Mr. Stern will do so. As far as I am concerned, I only long for the time for the machinery to start. I that would not have been a fair result. I think that the away made concerned, I only long for the time for the machinery to start. I would very much like it to start next week, in order to substantiate the statements which have been made. Although, you see, the prospectus says there are 865,000 tons, the telegram received states the statements which have been made. Although, you see, the prospectus rays there are 865,000 tons, the telegram received states that at a depth of 100 feet the amount of quartz is unlimited. I can bear this out, because I have seen the property. If anyone of the shareholders were to go on the property for one hour he would not be surprised at that statement. It is one huge outcrop, about 50 feet high, and I assore you I have gone over the whole of that outcrop many times. I have taken pieces of stone from different parts for my own special information, and the assays that have been made are not assays of an official assayer, but they are assays with the crude appliance of pestle and mortar. If we had assayed, therefore, through an official assayer, the returns would be ever so much greater. The manager confidently believes that the whole of the stuff in sight will average 2 ounces to the ton. The gold is of the very best quality, and has been valued at £4 2s. 6d, an ounce. (Hear, hear.) As to the cost of producing this ore, we might reckon it at 2s. 10½d, per ton, but in order to be within the mark we will put it at 5s. a ton. Even putting it at £1 a ton it would leave us £3 per ton profit taking the stuff to produce only I ounce to the ton I have no hesitation in saying that, immediately the machinery starts, you will not want another penny of working capital, and that the Big Blow will become a dividend-paying mine very shortly after the machinery starts. As far as it looks now, the mine will see our lives out, and those of our children. I have not seen the Mount Morgan; but I look upon the Big Blow as a second Mount Morgan; Loongantulate you on being shareholders in such a first-class property. It is a thoroughly gensine concern. With regard to the water difficulty, there is a great deal more made out of that in England than in Coolgardie. We had water difficulty, there is a great deal more made out of that in England than in Coolgardie. When we first went to Coolgardie we had to pay is. 8d. a gallon for drinking water, and two or three of as had than in Congardie. When water, and two or three of we had to wash in the same water. (Laughter,) The water difficulty is, however, now subsiding to a very great extent, and most of the experts in reporting on the Big Blow have agreed that water would be found at a depth of from 200 feet to 300 feet, and this has proved. be found at a depth of from 200 feet to 300 feet, and this has proved to be correct. We have struck water in the perpendicular shaft at 200 feet, and I believe that is to be made a level, and a drive is to be made from there. I have not the slightest doubt that when we drive into that lode we shall get quite sufficient water for our purposes. You have gone into this thing blindly, but you have been led blindly into a very good thing. The best advice I could give my best friend is to hold the Big Blow shares. Put them away in a box and forget all about them until the machinery starts, and when it starts you will not want to sell them. (Applance.)

CWAIRMAN, in reply to a SHAREHOLDER, said that the greater part of the machine y had already been shipped; but the whole o

it was under contract to be shipped by the 16th of this month.
Twenty head of stamps were to be erected, with engine power for

40 head.

Mr. Webb: We recken there is enough staff above ground to keep 50 head of stamps going for five years. (Applause.)

Mr. Probyn asked whether the board should not raise more capital in order to send out more stamps.

The Chairman said they were not short of capital; but he thought they did not require more stamps at present. The directors would increase the stamping power as soon as it was desirable to

A vote of thanks to the Chairman terminated the proceedings.

HAMPTON PLAINS ESTATE COMPANY.

vast and many-sided property. - Development proceeding apace.-Brilliant prospects for the shareholders.

The statutory general meeting of the shareholders in the Hampton Plains Estate Company was held on Monday, at Winchester House, Old Broad-street, under the presidency of Lord ARTHUR BUTLER. The SECRETARY (Mr. G. W. Jeffery) read the notice convening the

Old Broad-street, under the presidency of Lord Arthur Butler.

The Secretary (Mr. G. W. Jeffery) read the notice convening the meeting.

The CHAIRMAN said: Gentleman, this, as you are aware, is merely a statutory meeting, called in compliance with the terms of the Act of Parliament; and, as such, the proceedings are more or less formal. The directors, however, are glad to see so good an attendance here to-day, as it shows that you take a lively interest in the affairs of this company, and are anxious to find out what we have done for you in the last four months. As you are probably aware, this company came into existence some four months ago. Its issue was most successful—in fact, more so than in the case of any similar company for many years past. The capital was largely over-subscribed, and we have now a working capital of £50,000, and a body of shareholders numbering upwards of 1600. The fact, however, that the issue of this company was so successful—while it was matter of congratulation to all concerned—entails additional responsibilities on the directors, who feel it incumbent upon them to do all in their power to ensure that the future of this company should not belie the promises of its birth. The directors had two chief aims before them when they took office. The first of these was to provide as quickly as possible, an adequate water supply over the whole of our large estate; the other aim was to engage the assistance of suitable parties, on mutually satisfactory terms, for the development of the mineral resources of our lands. To turn to the water question first. Water, as you know, has been the great difficulty in Western Australia; rartly from the uncertain, amount of the rainfall, and partly owing to the dry nature of the soil, it has been obtained has been by forming dams or else from natural holes in the rock; but as both these sources of supply are uncertain, we felt it incumbent upon us to make a further effort to obtain a regular and unfailing sapply. In order to secure this, the first object o even now, with the small and inefficient machine which we have at work, a large supply of fresh water has been found at a depth of only 130 feet. Moreover, a 'this present, moment a large tank has been excavated on what we call the town site, capable of holding over 2,000,000 gallons of water. This tank, when full—and even if the fresh water is sold for only 1d. a ga'lon—would contain water of the value of £10,000; but, as at the present moment water is being sold at 4d. per gallon, this tank, when full, should hold water to the value of over £40,000. Our policy, I most tell you, is to bore gradually towards the east. Starting from the town site, we wish to bore east, so that there shall be proper water derôts every few miles a'll over our estate. To turn to the mineral resources of our land, the more we learn of the character of our freeholds and of the number of recfs which traverse nearly all the blocks, the more convinced we are that the best policy for the company is to become a great parent are that the best policy for the company is to become a great parer to company. You can well understand that with the great extent of our property it would be impossible for one company to fully decelop all the different reefs and mining areas. We, therefore, think lop all the different reefs and mining areas. We, therefore, think it far the best that we should hand over to separate organications the development of those claims and mining areas, we, of course, ourselves, reserving a very large interect in the capital of these comourselves, reserving a very large interect in the capital of these companies. In this way we hope to ensure that block after block, and mining area after mining area, shall be fully and adequately developed. I am glad to ray that the West Australian Gold Fiell, which; you all know, is a very powerful and wealthy corporation, are on terms of the very closest alliance with us, and we hope that their interest in the development of our estates is likely to be large and increasing. I may also tell you that, independently of the mining claims, to the extension of which the Gold Fields of West Australia are antitled we have now entered into a paragraph by Australia are entitled, we have now entered into an arrangement by means of which, within the next few months, they will issue a a company for taking over one of our blocke, and for working and developing it. We have also enlisted the aid of another coma company for taking over one of our blocks, and for working and developing it. We have also enlisted the aid of another company—the Gold Estates of Australia—who have paid us for the right of prospecting over part of our freeholds, and have undertaken to spend an agreed sum monthly on prospecting work. We have also made similar arrangements with a West Australian syndicate, so that we hope that before long our large estate will be fally prospected. There is one remark I must make, and that is this, that in all cases where the right has been granted to select mining areas, these mining areas have been limited to 25 or 30 acres each, and this company reserves a similar area on the line of the reef on each side these mining areas have been limited to 20 or 30 acres each, and this company reserves a similar area on the line of the reef on each side and all round it. Therefore, unless the gold find was strictly limited to the 25 or the 50 acres, the interest which you are to receive for the working of these selected areas will be only a small percentage of the advantage we shall derive from the possession of the surrounding claims. I must turn now for a minute to the careful and from the development of the question of our leasehold pastoral land, from the development of which we expect much. That development must necessarily depend largely on the water supply, and that is an additional reason for our largely on the water supply, and that is an additional reason for our anxiety to send forward these boring machines. We see no reason why, within a comparatively short time, these lands should not be fully stocked with horses, sheep, camels, and other cattle, from the sale of which the profits are likely to be great, as our lands are surrounded by a large and ever-increasing mining population. The mere fact that the Government of Western Australia has declined to allow any more leavehold pastoral lands to be taken up on the Coolgardie goldfields is sufficient to largely increase the value of our estate. As regards the machine increase the value of our estate. As regards the macagement in Western Australia, we have appointed as head manager there Mr. Alexander Matheson, a gentleman in whom we are sure to have a very active and able superintendent. I have known him myself personally for some years, and I consider him one of the sharpest, shrewdest, and most business-like men that I ever came across. He is in West Australia at this moment, and a house is being built for him on the estate. We have also retained the seris being built for him on the estate. We have also retained the erritors of Mr. Arthur Anderson, who acted as manager of the Hampton Plains before these estates come into your possession. He was employed by the Hampton Lands Syndicate, and this company has now engaged him as a kind of sub-manager under Mr. Matheson, and his knowledge of the country we consider to be extremely valuable. As regards a mining engineer, I am glad to say that we have secured the services of Mr. Thompson, who was lately employed by the the services of Mr. Joumpson, who was never employed by the Queensland Government as the Government Mineralogist. He is a man of high standing in the colony, and of great experience, and we cannot but think that his services will be of the ulmost value to this company. He cannoned his term of office on the first of this mount, and telegraphic instructions have been se t to him to go and

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visit certain blocks of which we hear excellent accounts. With

visit certain blocks of which we hear excellent accounts. With these officers out in West Australia, and such able directors over here as Mr. Moreing and Mr. Stoneham, I think you may feel sure that the utmost will be done for the full development of your preperty. In conclusion, I can only say that the longer I am associated with this company—and I think I can say the same for the other directors—and the more we hear of the character of the fresholds and the great mineral possibilities, the more convinced we are that no similar company is in existence which has an estate of such great promise and such great possibilities. (Applanse.)

Mr. Allen H. P. Stoneham said the company had only been in possession of the property for about two months, and they not yet had time to do anything like what what they hoped to deduing the next ten months. They had not, however, lost any time in getting to work. By the terms of the contract they were not compelled to complete the purchase until March next, but the transfer of the property was completed within a week or two after the allotment. This being done, they appointed a business manager in the person of Mr. Matheson; a missing manager in the person of Mr. Thompson, the Government Mineralogist of Queensland; a pastoral manager in the person of Mr. Anderson, whom some of them had known for some years; and steps were also taken to appoint a gentleman to take charge of the boring operations to develop the estate. He (the speaker) was asked the other day whether the company was in a position to declare a dividend, but they had no doubt they would be able to do so when next they met. (Applause.) At the same time, they could not disguise from themselves the fact that they had a very hard task before them in developing the estate. Probably no one present quite realized the extent of that esta's. As far as he could make out, the mineral land alone over which they had mining rights was equal in size to the county of Yorkshire. People had asked how it was that they had not yet made the land. Prospecting parties had been sent out all over the place, and they were hearing of discoveries day after day; but if they considered what it was to explore a piece of land the size of Yorkshire, they would see that it was a very difficult task. It would take a little time before they really got to work on the gold-bearing reefs. People had asked him how he knew that there was gold on the property. In reply, he had said that he had met gentlemen, and had numerous letters from people who had been all over the land, and ous letters from people who had been all over the land, and never yet come across one who had not spoken favourably of he had never yet come across one who had not spoken favourably of it, and said he had seen gold upon it. He had asked Mr. Mawson, the discoverer of Mawson's Reward, if he had ever been on the If, and said he had seen gold upon it. He had asked Mr. Mawsob, the discoverer of Mawson's Reward, if he had ever been on the Hampton Plains Estate, and that gentleman replied that he had been all over it, and had got lots of alluvial from it. He had seen plenty of reefs, and he added—"If you will give me a sobstantial price I will show you where they are." (Laughter.) That was very ensouraging. Only last week he (Mr. Stoneham) met Mr. Gorrie, a well-known prospector in West Australia, who also stated that he had been on the Hampton Plains Estate and seen no end of reefs upon it; all they had to do was to open it to prospectore, and they would have hundreds of claims taken up in a short space of time. That was a point on which they had not yet made up their minds but while they could get companies in which they could retain an interest to explore the property, they did not see why they should throw it open to prospectore. Although they had not yet worked to any great extent on the reefs, they had sunk shafts upon them with more or less promise, and very rich reefs had been proved immediately to the west of the land, and also immediately to the north and south. He did not think any had been found to the cast, for the simple reason that of the land, and also immediately to the north and south. He did not think any had been found to the cast, for the simple reason that nobody had yet been out to the east; but it seemed impossible that Mr. Larage, in making a selection, could have picked out the worst land and left the best. Everything Mr. Lapage told them had been borne out to the letter. He told them there was gold on the land, that it was good pastoral land, and that there was plenty of timber and water. All these statements had been proved to be true. With regard to the water question, the directors tackled it at once, and sent to a small trial amenatus for horing. They got fresh water in five regard to the water question, the directors tackled it at once, and sent out a small trial apparatus for boring. They got fresh water in five bores. The manager, writing from Coolgardie, stated:—"The water in bore Ne. 2 is 145 feet deep. Fresh water comes in between 133 and 140 feet. There is now 12 feet of fresh water in the bottom of the well." He thought the shareholders would regard that as satisfactory. Another point which, perhaps, had not truck them was the pastoral possibilities of the land. Those who heard of Coolgardie 12 months ago never expected that it would develop at the rate it had done, and it was very gratifying to find that the ratoral possibilities of the land were much greater than they had any reason to believe. The manager wrote;—"I do not think the board has realised the value of the practical. ratoral possibilities of the land were much greater than they had any reason to believe. The manager wrote;—"I do not think the board has realised the value of the practical monopoly we possess for doing patteral business with the gold fields gradually spreading further east round out estates. All that these lands require is water, which can be got by sinking. They can then carry large quantities of stock, for which the gold fields will provide an increasing demand at a great profit. If we push ahead with our well-sinking and dam-sinking and spend some capital in stock, we have one of the finest commercial businesses in Australia. I am more impressed now with the value of the enterprise than ever I was before I left London, and even then I thought more of; I fancy. impressed now with the value of the enterprise than ever I was before I left London, and even then I thought more of .; I fancy, than most people did." That was very gratifying news to receive from their manager, who was not a man to run away with extravagant ideas, but was essentially a man who knew the importance of developing estates quickly and economically. There was another matter he wished to refer to. The gentlemen in charge of the No. 2 boring wrote as follows:—"The ground in which tore No. 2 goes down for 130 feet is the purest and whitest kaolin I ever saw, and, if in Europe, it would be worth £10 per ton." The kaolin referred to was white china clay, and if ever the inhabitants of Coclgardie was white china clay, and if ever the inhabitants of Coolgardie was white china clay, and it ever the immorants of Congardie attained to the luxury of china tea services, that company would, no doubt, be able be able to supply all the clay that was necessary. He might inform them, too, that the Gold Fields Company had recently received a telegram to say that a prospector had come in and announced that he had discovered an extraordinarily rich rest on the nounced that he had discovered an estimated arithmeter on the Hampton Plains Estate, and wanted a large reward in order to induce him to show where the rest existed. The message finished up by saying that it was not to be shown to the Hampton Plains Company—a rather impossible thing, seeing that two of the Hampton Plains or Plains' directors were also on the Gold Fields Company. A second message had since been received, saying that the samples showed visible gold all through, but more than that they did not know. That, however, was not the first time by any means that they had beard of these samples of visible gold being found. While they were not inclined, on the one hand, to attach too much importance to the message, it was very cratifying, as showing the great possi-

were not inclined, on the one name, to attend too much importance to the message, it was very gratifying, as showing the great possibilities of their property. (Applause.)

Mr. R. Hennent Lapace said that he had only just returned from Coolgardie, having arrived last December; and, while there, he spent about three months on the company's estates, chiefly getting on with the works that were to be constructed there in the way of on with the works that were to be constructed there in the way of tanks and boring. He must say that he was surprised to see the great progress which Coelgardie had made during his absence of about 18 months. He found the telegraph had reached there, that the railway was within 120 miles, and surveys were then being made for the rest of the lines, and the railway was being pushed on with so rapidly that he he leved it would reach Coolgardie about the end of this year. The enermous freeholds which the company possessed, consisting of about 337 square miles, would, as Mr. Stoneham said, require a good deal of prospecting. However, he could tell them that they had already found gold in several places—notably on Block 45, in which there was an enormous network of reafs. As to the climate of the country, he found it very agreeable, indeed. Sometimes they had it very hot, but generally it was nice and cool, and he saw no reason why work should not be carried out at all hours of the day—in fact, work was carried out all day now. There had been two or three large tanks constructed, which had not have mentioned, one of which would hold 1,000,000 gallons of water, and snother to hold 700,000 gallons when it was tanked up, and it was proposed to use that water for rastoral purpose, for the company possessed an enormous amount of very good pasteral 'and, and they

would be in a position to water sheep and cattle. They were probably aware that the company's lands lay between latitude 30° and 32° south, which, of course, was a very healthy part. The soil was of volcanic origin, and he believed—in fart, he was told by Mr. of volcanic origin, and he believed—in fat, he was told by Mr. Woodward, the Government Geologist out there—that the estate weald grow vines well; so that shortly they would be able to produce wines. He should mention that Coolgardie was within one mile and a half of their freehold estate. They had already laid out a town site within two miles, which they proposed to sell; but in pegging out the site they came across gold reefs, and, consequently, they had decided to withold the sale for a time; for, of course, the value of the land was as nothing compared with what it would be worth if it were found to be gold-bearing. Three or four houses had been erected on the town site, and a large shed, which belonged to the company, where they had a store; and they had also commenced brickmaking, and they were able to make very good bricks. With regard to the bore, they were very well estiefied with the places they selected, for they found planty of water at a depth of 147 feet, and it was now giving 3000 gallons a day without any driving or sinking; so it was very probable they would have plenty of water. Since his first visit, too, he found that the small bushes which they had destroyed had grown up again better, and the grasses were very rich and looking very well. A 160 better, and the grasses were very rich and looking very well. As to the water at Coolgardie, he did not think there would be any difficulty in the future, for at first it fetched 8d, per ga'lon, but since it had been reduced to 4d. They had a very good property, indeed —in fact, there was no limit to its possibilities, or to the value it might ultimately turn out to prove. (Applause.)

In answer to questions.

In answer to questions,
The CHAIRMAN explained that the freehold blocks were specially

Mr. ELLIOTT asked how it was that the freehold land of the company was not continuous, but in different parts of the com-'s estates

A SHAREHOLDER: As a freehold company I think that the ampton Estates is in a unique position. I don't think that any Hampton Estates is in a unique position. I don't think that an other company dealt in on the market has so large an area of free old land. I hope, however, that you will appreciate your property its proper value, and will not part with it too cheaply.

The CHAIRMAN: We shall obtain the very best terms we possibly

oan; and I promise you that we won't err on the side of asking too

Mr. Forbes, in proposing a vote of thanks to the Chairman directors, spoke in appreciative terms of the able and expeditious manner in which they were proceeding with the development of the

LOTT seconded the motion, which was unanimously carried, and the proceedings terminated with a brief acknowledgment of the compliment on the part of the CHAIRMAN.

THE LADY MARY AMALGAMATED GOLD MINES.

A satisfactory outlook.—Shares already at a premium

The first ordinary general (statutory) meeting of the shareholders of the Lady Mary Amalgamated Gold Mines was hell at Winohester House, on Tuesday last, the chair being occupied by Mr. JOHN FELL. The SECRETARY (Mr. Ernest N. Dawe) read the notice convening

The CHAIRMAN said: Gentlemen, as you are aware, it is neces sary in the case of a limited company to hold a formal meeting within four months of formation. Your beard have considered in within four months of formation. Your beard have considered it desirable to take an early opportunity of convening the shareholders and explaining that the company has been formed, that the whole of the arrangements for its operation are in progress, and that very satisfactory results are anticipated. Probably you are as well aware as I am of the facts connected with the inception of this company. It has acquired two very valuable gold properties near Cae, in Western Australia, one known as the Lady Mary, which contains eight agree of surface and the other the Rising Sun, which contains eight acres of surface, and the other the Rising Sun, which con'ains 12 acres, both being adjacent. These were the mines which a capital of £50,000 has been raised to develop. That capital however, was issued only to the extent of £45,000, the additional £5000 12 nores. ever, was issued only to the extect of £15,000, the Andrichona £2500 being kept in reserve, the expectation being that £45.000 would be sufficient. We are still of the opinion that this is all that will be required, but, at the same time, circumstances have pressed upon us the question of dealing with a portion of the reserve. We had most favourable overtures made for the issue of the whole of the reserve at a considerable premium, but it did not appear to us to be necessary or desirable to accorde overtures was the ways are recorded and the support of the control of the reserve at a considerable and the support to us to be necessary or desirable to secode even to so very favourable an offer so far as the whole work-ing capital was concerned. We though, however, that we should not absolutely pass over an offer of such significance, and which showed such hearty appreciation on the part of outsiders as to true value of our property. Therefore, we have acceded to the application made to us to the extent of 1000 shares, which were issued at a considerable premium, and we have granted an option for a further 1000 shares at a still higher premium. With regard to progress at the mine, I can only say that the maraging director, who is related to myself, has gone out to Australia. He has already arrived, and I may say that everything is going on very well, so far as the telegrams from the mine have informed us, and everything possible is being done to push forward the erection of the machinery necessary for the full working and development of the mine. In the meantime, the mine is being opened up as rapidly as possible. A certain showed such hearty appreciation on the part of outsiders as to the value of our property. Therefore, we have acceded to the applicatime, the mine is being opened up as rapidly as possible. A certain quantity of stone is being extracted—in fact, there is about 400 tons already at bank for crushing. We have not as yet decided how that will be dealt with, and the general operations at the mine are being expedited as much as possible. All I can further add is that, so far as we are able to form an accurate opinion—and many of us have gone into the matter with great care—we have every confidence that we have a very valuable gold-braving property. As soon as we are in possession of more extended information we stall take care to A vote of thanks to the Chairman and directors terminated the

THE TWIN LAKES PLACERS, LIMITED.

Company's position greatly improved -A satisfactory dividend.

The third ordinary general meeting of the shareholders in the Twin Lakes Placers (Limited) was held on Thersday at Winchester House, the chair being occupied by Mr. NORMAN HERBERT SMITH. The SECRETARY (Mr. V. H. Smith) read the notice convening the

The CHAIRMAN said: Gentlemen, with your sanction, I propose to take the report and accounts as read. At the conclusion of the ordinary general meeting of this company, which was held on March 30, 1894, an extraordinary general meeting washeld, at which a special resolution was passed authorising the holding of future ordinary general meetings at such time and place as might be determined by the discreters. This resolution having them configured at a ordinary general meetings at such time and place is might be determined by the directors. This resolution having been confirmed at a subsequent meeting held on March 24, 1894, our Arricles of Association, which provide for the holding of ordinary general meetings on the last day of March, were varied accordingly, and it is owing to thiorizonstance that your directors have the pleasure of meeting you to day. I have but few remarks with which to troub's you on this occasion; for, whilst the salient points in the history of the company for the company for the year ended December 31, 1894 are succirily stated in the report which is in your hands, Mr. Charles Harvey—who has so ably and, I may add, so success fly acted as managing director, and, in that capacity conducted the mining operations of the company during the past two seasons—is here, and will tell you of the condition in which he has left the Pacers, and of the views which he has formed as to its future prospects. If you

will be good enough to turn to the recent balance-sheet you will note that our issued capital now amounts to £26,000, and of this £1589 was, as the report states, issued last year. The reasen for this increase of capital did not arise in connection with any embarrasment on the part of this company; but your directors considered that the available working capital which had previously existed was not such as the nature of our business might require, and, furthermore, they thought that the additional security which the increased working capital gave to the concern was cheaply pusand, furthermore, they thought that the additional scourity which the increased working capital gave to the concern was cheaply purchased by the slightly increased capital upon which dividends had to be carned. Turning to the credit side of the balance-sheet, I would ask you to note an item of £674 6s, which is written off as representing depreciation of plant. Your beard, with the concurrence of the auditor, has estimated the prime cost of the plant—which is of a wasting nature—and, guided by the advice of Mr. Charles Harvey, has assessed upon what our American friends would which is of a wasting nature—and, guided by the advice of Mr. Charles Harvey, has assessed, upon what our American friends would call a conservative basis, the number of years which represents the life of such wasting plant. The sum of £674 63, represents the proportion of such prime cost which has, in our opinion, been exhausted during the year 1894. We again write off one-fifth part of the preliminary expenses. Turning to the profit and loss account, I do not think that there is any item to which I should particularly refer, unless, perhaps, it is the very satisfactory total of £16,424 153, 7d, which represents the gold produce for the year, or the no less satisfactory do not think that there is any item to which I should particularly refer, unless, perhaps, it is the very satisfactory total of £16,424 15s. 7d., which represents the gold produce for the year, or the no less satisfactory sum of £5361 15s. 6d. which represents the year's profit. Some of you will recollect that this company took over the property which it now works from March 31, 1893, and between that date and December 31, 1894, the gold produce of the mine aggregated £24,697 5s. 10d., whilst of our capital of £26,000 approximately, £3000 is in hand in a liquid form. The season of 1893, in consequence of indispensable repairs, was not fully available for mining purposes, but a dividend of 6½ per cent. was paid for that year. Shareholders who invested their money in March, 1893, received a dividend at the rate of 8½ per cent, for the period between that date and December 31, 1893; and if you adopt the recommendation of your board, and sanction a dividend for last year at the rate of 3s. per share, or 15 per cent. free of income-tar, those who became shareholders in March, 1893, will have received 23½ per cent. in 21 months. Moreover, after providing for depreciation and preliminary expenses, the profits of the year 1894 would if divided up to the hilt, provide a dividend almost equivalent to 20 per cent. It will be satisfactory for you to note that the compromise which, as stated in the report, has been arrived at with the Colorado Midland Railway Company, under which the railway company agreed to pay the sum of \$7000 for land taken in the construction of the line, in 1886, through the property now owned by this company, and for damaza done, has been native carried into affect incompany. 1886, through the property now owned by this company, and for damage done, has been partly carried into effect, inasmuch as we received cabled advice on the 5th inst. that the first instalment of damage don received cabled advice on the 5th inst. that the first instalment of £3500, which became due on the 1st inst. has been duly paid, and the second and last instalment of like amount will be payable on April 1. This sum of \$7000 will be subject to reduction by the amount only of costs incurred since 1893, all expenses incurred in prosecuting the suit against the railway company up to that da'e having been discharged by the liquidated syndicate from which the property was transferred to this company. The net amount realised from this source will represent so much more working capital in our hands. We are still prosecuting the company's claim against the Denver and Rio Grande Railway Company, and have already received an offer of a compromise, which, however, we do not feel justified in accepting. Your directors, in recommending the distribution of the dividend of 3. per share, free of income tax, have endeavoured to avoid extremes, ina much as such a payment, they venture to think, cannot be regarded as the outcome of timidity or over-caution; whilst it will leave a balance such a payment, they venture to think, cannot be regarded as the outcome of timidity or over-caution; whilst it will leave a balance to be carried forward to the credit of 1895. I have the pleasure to propose the following resolution, viz.:—"That the directors' report and the accounts to December 31, 1894, as signed by the andisy, be received, adopted, and entered on the minutes." The Chairman concluded by moving the adoption of the report and accounts.

Mr. Charles Harver, in seconding the motion, said: Gentle-

men, as your late managing director, you may wish to hear my views in reference to the prospects of your property. You may remember at the last general meeting of shareholders I ventured to fore-shadow that in 1894 we should double the profits as compared with 1893. This prophecy has been more than fulfilled, as the profit made is about equal to three times the dividend declared last year. Possibly the management has been influential in contributing to the specess of the last two seconds. dend declared last year. Possibly the management has been influential in contributing to the success of the last two seasons; but, in any case, it is obvious that the most skilful management in the world could not show a profit without the support of the actual value of the undertaking. In 1893 the returns of gell per cubic yard were 17 cents, in 1893 10 cents, and in 1894 10 cents. The working costs per cubic yard were in 1892 about 17 cents, in 1893 7 cents, and in 1894 6 cents, The gravel output has increased from 213,464 cubic yards in 1892 to 804,558 cebic yards in 1894. The working cost in the latter has increased £2133 18s. 34, to turn out nearly four times as much gravel. I wish to submit to you these figures, as in a great measure they explain our happy position to-day. In respect to the gravi. I wish to show to you to see ingures, as in a great measure they explain our happy position to-day. In respect to the future, my ambition is to see the gravel output increased to the respectable amount of 1,000,000 cubic yards, or about 1,500,000 tone, per seasor. With an ample supply of water, I think it will be accomplished, if not during the current year, then in 1896. I have had this in view for some time, and we shall make the preparatory improvements, by increasing the carrying capacity of the main ditch, to effect this number. You are aware that such of the main ditch, to effect this purpose. You are aware that such an enormous increase of output, if its present value is maint lined, must make rially augment the profit, as the studding charges will not increase. Not only this, but the position of your property will have increase. Not only this, but the position of your property will have changed from a small concern to one of the most important placer mines in the United States. With regard to the condition of the works, the sluices are in good repair. We have augmented and shall further increase the auxiliary flumes to meet the drawn shall further increase the auxiliary flumes to meet the drawn mention these flumes have and easil further increase the auxiliary flumes to meet the demand of the greater output. I may mention these flumes have been immensely successful. The dumping ground is the Arkanasa river is probably more free of the tailings than for several years. The tunnel has to be repaired, but this is of little incoprtance. The main supply (Clear Creek) ditch must be renovated at all the weak points. We started the repairs last spring. In 1896 and 1897 we here to complete the repairs from end to end (a distance of about 14 miles), thus comparatively making a new ditch and the will bore to complete the repairs from end to end (a distance of about \$3\frac{1}{2}\$ miles), thus, comparatively, making a new ditch, and this will relieve the company from any excessive expenditure on this water-way for at least nine years. Cash Creek Ditch, the secondary water supply, is in good condition throughout. I have augmented the hydraulic main of pipes by 1000 feet to assist to keep up the present output. You may judge from the above I have been somewhat lavish in the expenditure, my object being to maintain, and, I believe, to improve upon our present position. The banks of gravel we find are deeper as we approach the foot hills than in the flat of the valley. Where they averaged about 18 feet; they now average about 27 feet. You will notice that the gold contents of the gravel washed away in 1893-94 are remarkably close. With regard to the value of the gravel in notice that the gold contents of the gravel washed away in 1893-94 are remarkably close. With regard to the value of the gravel in reserves I can say nothing beyond this—that the pannings of the face of the banks as they are left standing, give an average equal to the reterns of the last two seasons. I see no reason whatever but to anticipate that the value will be maintained. I have made a rough approximate estimate of the reserves of gravel in Cash Greek, the outlines of which may be noticed on the plans. In my estimate I have made a distinction of the reserves. If we carry the banks back to one line the reserves are 7.838,755 cubic yards; if suppressed to the outer lines, this figure is increased to 10,317,015 yards. My reason for making respective estimates is that the lesser bulk is exposed to view, the surface indications of which have the same characteristics and appearance as the gravel we have piped away in the rast, whereas aurice indications or which have the same characterishes and appearance as the gravel we have piped away in the past, whereas the surface of the extra 2,478,240 yards is under trees and drift, and not exposed, bur, undoubtedly, auriferous, in consequence, I have named it doubtful, although it may contain gravel richer than any in the gulob. I, as well, wish to be conservative in my calculations. In the foregoing I have not estimated the reserves of gravel in Gold Bun, and over the rest of the

heet d of any con-usly nich our-ends

Mr.

obtain gold returns the moment they commenced the works out of which the returns ultimately sprung. In fact, they could not calculate upon getting returns until about June in each year. Hitherto their position in reference to the working capital had been such as to force them to borrow money to keep going until the end of June, but that was felt by all to be highly unsati-factory, and there could be no doubt that if the business was worth carrying on at all it would support the raising of the necessary capital. (Hear, hear.) The working capital of the company had never been large. The only shares which were subscribed in cash had amounted to £7276. At the present moment they had £3000 in a liquid form, while there were certain of the company's works which would have to be placed in an improved condition during works which would have to be placed in an improved condition during the next two years. This could not be done without money, and this money could not have been raised without placing the shares which had been placed during the previous year. The shareholders were consulted at the time this was done, and fully concurred in the time this was done, and fully concurred

in the step.

The motion was then put and carried unanimously.

The CHAIRMAN then moved the declaration of a dividend of 3.

The CHAIRMAN then moved the declaration of a brugary 11.

a share on the carital of the company, payable on F bruary 11.

Mr. T. K. Wells seconded this, which was carried unanimously.

Mr. DARELL BROWN said the remuneration of the directors was not fixed in the Articles of Association, but from time to time agreed upon, and he moved that a grant of £500 should be made to them for their services during the rast year. The utmost thanks of the shareholders were due to the board for the skilful manner in which they had managed the affairs of the company to the managers and they had managed the affairs of the company, to the managers and staff on the mine for their energy in working the property, and to the secretary for the zealous way in which he had carried forward the company's affairs.

Mr. GEORGE FREEMAN seconded the motion, which was carried

The retiring directors, Mr. Charles Harvey and Mr. Thomas Kynaster Weir, were re-elected, and the auditor, Mr. H. Backer, CHAIRMAN moved a vote of thanks to the manager and staff

at the mine, saying that the efforts of the London management would have been wholly powerless without the ability with which the local administration had been carried on.

This was seconded by Mr. WEIR, and carried unanimously, and a vote of thanks to the Chairman and directors terminated the proceedings.

property, which we think to be as rich as the banks now under hydraiding; so that there is practically no limit to our reserves.

The MINING JOURNAL, RAILWAY AND COMMERCIAL GAZETTE.

address, sketchtd out the all wt career of the company since its formation of the "Burster" reef, which is yisiding very rich stone right mainly and the property of the company of the "Cockstail" Jut over the boundary on the continuous successions of divide ds. (Applause)

Mr. Somens Lewis aid the balanct-sheet was of so favourable obstitutions of the support date of the capital had been privately subscribed, while the work, and had slice actively a change of the support date of the sums necessary for the comencement of the working.

Mr. Somens Lewis aid the balanct-sheet was of so favourable and astificatory a chanacter that anything like criticism would be obviously out of place, and they were largely indebted to the whole beard, and sept-clickly to Mr. Elevant and the subscribed of the sums necessary for the concessary for the comencement of the work, and had slice acted by the sums necessary for the concessary for perty. The Chairman remarked that a private company had been formed for the purpose of treating their own and other companies' ores, and a lage steam bakery would shortly be erected at Coolegardie. A vote of thanks to the Caairman terminated the proceedings.

NEW ISSUES.

THE ROBINSON GOLD MINES (LIMITED).

The capital of this new company is £80,000, divided into 80,000 shares of £1 each, of which 30,000 are offered for subscription at par. According to the prospectus, "this company has been formed to acquire mining haves, No. 635, containing 18 acres, locally known as the "Cocktal," and No. 876 adjoining, and containing 12 acres, locally known as the "Burster," situate in the White Feather mining district, Colgar lie, West Australia, about 11 mile N.N.W. from McAuliffe's Reward Claim, now being successfully worked by the White Feather Reward Claim (Limited), and to amalgamate and

White Feather Raward Craim (Limited), and to amalgamate and work the two properties as one large mining area of 30 acres."

The property has been inspected and reported upon by Messrs. F. Bissenberger, mining manager; W. H. C. Lovely, M.A.I.M.E.; N.W. Harper, mine minazer, Fraser's Gold Mine, Southern Cross; G. R. Fearby, M.E., M.S.E., Coolgardie, Western Australia and Newcastle-on-Tyne, England; and F. H. Backhouse, MfA.I.M.E., Mr. F. Bissenberger, in his report dated September 3rd, 1994, on Lease No. 636, known as "Cocktail," states:—A parallel reef running about 40 feet north through your property has been opened on in Thomas and Wasson's lease, and proved to be gold bearing. My present inspection of your property has presented features that did not come under my notice previously, and adds considerably to its value, most notably the developments in Thomas and Wasson's lease, and the existence of the most northerly reef of which I was unaware at the time of my first visit.

CLIMITED).

The capital of this company is £90,000, in 90,000 shares of £1 each, of which 40,000 are offered for subscription. "These" [mines] says the prospectos, "are an amalgamation of adjacent properties of various mineowners, who, having discovered a valuable district, combined together, and placed them in the hands of the mining expert, Mr. Llewellyn Williams, making a contract to self their mines to him, in order that he might proceed to London, and by the formation of a company to take over the property, raise all the working capital necessary to rapidly develop it in the most economical manner."

the working capital necessary to rapidly develop it in the most economical manner."

"The property consists of 48 acres, 45 miles south-east of Corlegardie, and in the centre of one of the most extensive and promising auriferous formations in Western Australis. The principal ref passes through the centre of it, outcropping from end to end. It is as much as 20 fett in width, appearing to be still widening as it goes down; whilst one of the other reefs is fully 10 feet wide. From 60 to 80 tons of ore from the main reef, which has been sunk on for about 80 fett, are at grass. Messrs. Oxley and Brazier cable that the bulk assay is 5 ounces to the ton."

"It is estimated that there are many thousands of tons, which will, with full treatment, return a yield of about 4 ounces of gold to the ton, and which would, by ordinary crushing only, without treating the tailings, yield a profit of over £10 of gold to the ton of ore. The machinery is expected to be at work within a few months, and each 10 stamps will be capable of crushing over 150 tons per week."

10 stamps will be capable of crushing over 150 tons per week."

WE are officially informed that the directors of the Rand-WE are officially informed that the directors of the Rand-Rhode-ia Exploring Company (Limited), have obtained from the British South Africa Company (Limited), a free grant of the right to locate 75,000 morgen and 300 claims in Mashonaland upon especially favorable terms these being that the British South Africa Company retains one-third undivided interest in the profits according from this grant after the deduction of all charges for location, development, and in connection with the sale or flotation of same. The land "grant is equal to an area of approximately 247 square miles. square miles.

Mr. J. H. Collins, F.G.S., &c., has been elected President of the Institution of Mining and Metallurgy for the year 1895-6, in succession to Professor Huntington.

at the time of my first visit.

BAYLEY'S GOLDEN SOUTH.—A statutory general meeting of the shreholders in Bayley's Golden South was hell yesterday at Winchester House.—Mr. E. D. Oppert, who presided, in his opening | end, outcropping boldly in the ceutre of the lease. It is a continuation in succession to Professor Huntington.

DISASTROUS MINE EXPLOSION IN FRANCE.—An explosion of fire-damp occurred at five o'clock on Monday morning in the Sainte Coefficient Coalmine, Monceau-les—Mine (Saône-et-Loire). About 30 miners are believed to have perished.

TRADE STATISTICS. METAL

COPPER:

(From Messrs, Henry B. Merton and Co.'s Circular for January, 1895).

-			1	31ST JANUARY.					
	Jar. 31, 1195.	Jan. 15, 1895.	Dec. 51, 1894,	1894.	1893.	1892.			
ETOCKS IN ENGLAND AND FRANCE: Liverpool and Swanses, Chili Bars	Tons. 37,150 800 10 6,788 5,353	Tons. 36,677 103 8 6,262 5,513	Tons. 36,106 809 22 6,872 5,669	Tons. 29,9:7 456 365 5,5:7 1,078	Tons. 31,169 152 : 67 9.095 7,727 6,247	Tons. 27,641 151 576 9,256 2,986 2,412			
ADVISED FIOM CHILI by Mail and Cab'e, Fine Copper , Australia, by Mail and Cable, Fine Copper	51,048 2,700 1,100	£0,267 2,7:0 1,100 54,667	50,764 3,000 900 54,664	43,652 2,7(0 800 47,152	54,757 3,100 650 58,507	\$5,062 2,000 403 57,462			
Price of Chili Bars and G.M.B.'s per ton	£40 5 0	£40 12 6	£41 0 0	£41 5 0	£45 2 6	£44 12			

COMPARATIVE	STATEMENT.

	Di I la			Al	rivais.		1	E .			
	Stock in England and France and		P	- g .	England &	1	Charters from	menta frontralia to	Total		
_	Affoat there- to from Chili and Australia.	Pr ce of G.M.B.	England and and and France.	Other Entopean Ports.	Spain and Fortugal (excluding Pyrites),	Other Count's.	Chili to Europe.	Shipments from Australia to London.	Suppl's.	Total Deliveries.	
Month end ng 31st January 1895 31st December 1894	Tons. 54,848 54,664 52,295	£40 5 0 41 t 0 39 15 0	Tone, 4,626 3,839 2,103	Tons. 1,229 1,048 1,595	Tons. 773 1,t36 1.535	Tons. 2,424 2,366 1,235	Tons. 1,650 2,300 1,250	Tone. 750 620 510	Tons. 11,452 11,839 8,518	Tons. 11,268 9,470 9,011	
Sth November St October Oth September	52,788 52,034 52,407 51,525	40 15 0 41 10 0 40 7 6 38 2 6	2,819 1,806 3,026 3,455	3,779 3,6:0 4,641 2,365	1,334 £03 1,494 1,109	1,088 1,573 3,973 1,816	1,8:0 1,:00 2,000 1,000	1 00 450 550 550	11,510 9,858 15,654 17,195	10,766 10,241 14,602 9,942	
31st July	50,072 47,580 46,806 4F,197 47,364	38 17 6 39 17 6 40 15 0 41 0 0	2,726 2,778 3,569 2,546	2,945 2,759 2,811 3,096 3,276	8:8 1,976 1,057 1,18*	3,522 3,023 2,977 1,699 764	1,650 1,650 1,650 1,500	036 031 003 030 030	13,001 12,936 12,654 .0,575 10,389	10,:09 32,162 12,445 11,242 10,173	
28th February *	43,001	41 00	36,531	33,474	14,612	28,460	21,600	6,950	139,627	:31,93	
31st January 1894 31st December 1893 30th November	47,152 47,295 46,827 48,040 47,904	41 5 0 42 15 0 43 0 0 42 2 8 41 17 6	4,921 3,848 6,146 7,057 7,940	2,809 4,252 4,388 6,176 3,971	1,477 1,667 1,332 589 1,255	850 852 5,684 3,082 621	1,350 2,700 1,400 2,200 1,760	100 4:0 100 100	11,947 13,539 19,400 20,553 16,087	12,080 13,37 10,61 .0,51 16,14	
30th September 31st August 31st July 30th June	47,961 50,483 49,955 49,951	41 12 6 41 12 6 43 10 0 43 2 6	4,272 4,236 1,914 3,179	2,188 2,412 2,310 917	1,535 614 1,558 1,191 799	£45 2,£07 2,548 1,371 1,084	1,200 2,400 1,850 1,750	400 400 5:0 450 550	10,940 12,669 11,130 8,928 7,909	12,14 11,12 11 07 10,63	
Oth April	52,094 55,271 57,420	44 10 0 45 5 0 45 12 6	2,521 1,212 1,821	905 687 632	1,577	3,191 2,785	1,600 600 3,000	£00 459	8,417 9,85a	10,56	
Sist Yannan	58,507	45 2 6	49,207	32,116	15,994	25,5E0 4,859	1,000	6,450 700	151,327	9,011	
31st January 1893 31st December1892 30th November 31st October	55,745 53,498 86,078 58,482 59,718	46 17 6 47 17 6 45 12 6 44 2 6 44 7 6	3,235 2,822 752 1,048 2,887	542 623 850 525 224	2,555 £90 762 1,619 965	3,006 1,725 2,922 2,315 2,593	2,600 1,600 1,650 1,750 1,900	200 700 £00 400	12,238 8,060 7,436 7,667 9,059	9,991 10,640 8,840 9,803 9,079	
31st August	59,718 59,738 56,604 53,965 53,965 53,828 54,311	44 17 6 44 17 6 46 7 8 45 12 6 46 5 0 44 5 0	2,593 2,509 2,841 1,968 2,260 2,262	150 416 664 1,284 1,667 495	2,146 2,545 2,288 2,422 2,012 1,724	3,744 4,745 1,215 2,968 2,013 1,277	2,100 1,600 2,150 1,500 1,750 2,000	610 200 200 200 300	12,023 12,315 9,628 10,242 10,002 8,058	8,28 9,67 9,52 30,72 12,47 8,73	
a section y as			29,143	8,245	10,983	33,419	23,600	5,150	118,501	117,48	

(From Messrs. A. Strauss and Co.'s Circular for January, 1895).

		11st Dec. 1894.	31st Jan. 1895.	31st Jan. 1834.	31st Jan, 1893.
Btrait	s and Australian spot	Tons, 8,985 1,189 4,225 711	Tons. 9,392 764 3,915 505	Tons. 5,372 1,175 2,990 681	Tons. 3,165 174 4,150 718
Dit	on Warrantso aficat	15,110 1,040 1,687 1,180 810	14,577 1,586 1,671 756 618	10,218 1,056 619 1,268 402	8,207 1,309 610 £28 369
Total Estin	afloat for United States	19,827 1,450 3,060	19,208 2,850 2,250	13,563 825 475	11,023 2,305 3,700
	Total	24,337	24,348	14,863	17,028
Price	of Straits and Australian	£61 0 0	£61 0 0	£71 0 0	£92 7 6
Deliv Dit	eries during the month in London to ditto Holland	1,262 566	1,406 790	1,768 450	1,081
		1,828	2,196	2,218	1,631

Shipments	during the	month from	Straits to London	***	1.99	***	***	***	2,400	Tons	
**		89	Australia to London	***	***	102	699	691	203	84	
**	**	19	London, Havre, and	Holl	and to	Ame	rica.		1,880		
99	**		Straits to America	449	***	***	400	***	200	**	
**	89	**	Australia to America	***	***	889	200	109	50	59	
19	29	99	Straits to Continent	***	***	603	***	691	1,125	**	

_	During	During	During	During	During
	12 months	12 months	12 months	12 months	12 months
	ending	ending	ending	ending	ending
	Jan. 11, 1895.	Jan. 31, 1894.	Jan. 31, 1893.	Jan. 31, 1892.	Jan. 31, 1891.
Shipments from Straits to London Shi, maits from Straits to America Shipments from Straits to Continent Ditto from Straits to Continent Shipments from Australia to London Shipments from Australia to America Deliveries of Tin in London and Holland Ditto in London, Holland Ditto in London, Holland	12,:92 46,491 4,100 1,100 17,941 26,754	25,980 4,025 9,921 39,926 4,495 200 19,565 27,227 58,133	19,748 9,760 5,680 35,103 4,597 700 13,988 28,404 45,815	17,408 9,057 4,675 31,140 4,289 800 17,354 25,542 46,917	19,200 8,925 3,905 17,010 5,(50 785 16,177 24,060 93,365

Banca in Trading Company's hands and affoat, 5308 tons.

FRICES; Straits and Australian, spot £81 0 0 three months ... £81 0 0 English Common ingets 64 6 0 refined ... 55 0 Danca 61 10 0 Billiton £1 0 6 The LISTS will OPEN on MONDAY, the 11th FEBRUARY, and CIGES the SAME DAY for LONDON, and at 4 n.m. the following day for COUNTRY

THE CARDIFF CASTLE GOLD MINES,

LIMITED.

(Incorporated under the Companies Limited Liability Acts).

CAPITAL

Of which £30,000 is reserved for working capital).

In \$0,000 Shares of £1 each, of which \$0,000 are now offered for Subscription, \$5,100 Shares being part payment for the property.

Payable—2s. per Shares being part payment for the property.

Payable—2s. per Shares on Application, 3s. on Allotment, 5s. on the 18th April, 1895, and the balance as required, with not less than 30 days' notice, and in amounts took exceeding 5s. per Share.

Shares may be paid up in full at any time after Allotment,

CHARLES CAMMEL, Heq., Director of Charles Cammell and Co. (Limited),
Cyclops Works, Sheffield.
W. MARDEN, Eq., Manager of the West Australian Shipping Association
(Limited)

S. W. PADDON, Esq., Bayley's West Gold Mining Company (Limited).
W. H. PENNING, Esq., F.G.S., formerly of Her Majesty's Geological Survey of Englisher.

Lindon: MARTIN'S BANK (Limited), 55, Lombard Street, E.C.
Cop gardie: THE NATIONAL BANK OF AUSTRALASIA (Limited).

BROKERS.

Messrs. BARBER an I BRIDGFORD, 2, Drapers Gardens, E.C. Messrs. JENKINS, BAKER, and CO., 134, Fenchurch Street, E.C.

M:sers. JACKSON, PIXLEY, BROWNING. HUSEY, and CO., 59, Coleman Street, E.C. CONSULTING ENGINEERS IN COOLGARDIR.
Mesers. OXLEY and BRAZIGR,
Mr. LLEWELLYN WILLIAMS.

SECRETARY AND OFFICES (pro tem.).

Mr. A WELLESLEY HIBBERD, 1, Queen Victoria Street, E.C.

CARDIFF CASTLE GOLD MINES.

These are an amalgamation of adjacent properties of various Mine owners, we having discovered a valuable district, combined together, and placed them in the hands of the mining expert. Mr. Liewellyn Williams, making a contract to sell their mines to him, in order that he might proceed to London, and by the formation of a Company to take over the property, raise all the working Capital necessary to rapilly develop it in the most concentical manner.

DESCRIPTION.

DESCRIPTION.

The property consists of 43 seres, forty-five miles S.E. of Coolgardie, and in the centre of one of the most extensive and promising surfaceous formations in Western Australia. From the accompanying p as made by Messrs. Oxley and Brailer, one of the leading firms of mining engineers and surveyors, who r-put favourably of the property, it will be seen that the principal Reef panes through the centre of it outcropping from end to end. It is as much as 20 feet in width, appearing to be still widening as it goes down; whilst one of the firm of the Reefs is fully 10 set wide. From 60 to 30 tons of ore from the main Reef, which has been sunk on for about 30 feet, are at grass. Messrs. Oxley and Brazier cable that the bulk assay is 5 ounces to the ton.

It is estimated that there are many thousands of tons, which will, with full treatment return a yield of about 4 ounces of gold to the ton, and which would by ordinary crushing only, without treating the tailing, yield a profit of over £10 of gold to the ton of ore. The machinery is expected to be at work within a few months, and each 10 stamps will be capable of crushing over 150 tons per week.

A very important point is this, the great difficulty of the Coolgandia district.

week.

A very important point is this: the great difficulty of the Coolgardie district—namely, want of water, is not encountered, there being abundance available for all purposes. The Mine is only about one mile west of Lake Lefroy.

The Card ff Castle has the usual advantages of Mines in this lossilty (such as the Mount Morgan and Lake Lefroy Gold Mines) of abundance of timber, free milling ore, and good quality gold. The reef is not patchy, but the gold is evenly distributed, a point of great importance; this should ensure regular dividends.

REPORTS.

HEPORTS.

Under these circumstances it is not remarkable that Mr. Bevliaqua, Manager of the Imperial Reefing Properties, who from Independent testimony the Directors find to be a trustworthy man of great experience, reports as follows: "It cannot fail to be of a lasting and good dividend paying description."

The development of the property, and the details of the various reefs, are shown in the reports of Mr. Bevliaqua, Mr. Archibad, and Messrs. Oxley and Brazier, from which the above particulars are abstracted. Amongst the Reports which are annexed, is also one from Mr. Lewellym Williams himself, with particulars of his experience obtained from himself. He can be seen by intending subscribers by appointment at the office of the Company.

FINANCIAL ASPECTS.

The price pild is £3000 in cash, £30.000 in Shares, and £5000 in cash or Shares, at the Directors' option, leaving £30,000 available for working capital. This price the Directors believe to be atmost unprecedented, taking into consideration the evident great value of the property, as shown by the exp. ris' reports. Mr. Williams, who from several independent sources the Directors find to be a reliable mm, estimates the profit from the ore actually in *ight to be more than sufficient to return the total capital of the Company. Even if the Main Reef were only worked to the depith to which it is now proved, and for a length of £00 yards, the profits, estimating only 2 ounces to the ton (haif the yield given by the experts) should amount to over £400,000.

The only contract entered into by the Company is one with Mr. L. Williams for the purchase of the property, dated 5th inst., by which he pays all expenses up to allutiment. Opiese of this and of the Articles of Association can be seen at the offices of the Company and Solicitors. Mr. Williams has entered into contracts with the different owners of the mines, and also for guaranteeing the recessary working capital, and in connection with the expenses attending the formation of the Company. These may be considered contracts within Section 33 of Companies Act, 1857, and subscribers will be deemed to waive all rights (if any) to particulars thereof.

If no alloument be smade the application money will be returned in fall. Prospectures can be obtained at the offices of the Company, and from the Bankers, Brokers, and Solicitors.

Report of Mr. F. BEVILAQUA, Manager of the Imperial Reefing Properties at Lake Lefroy.

Imperial Reef, Lake Lefroy, Coolgardie Mining District, October 13th, 1884. Imperial Reef, Luke Lefroy.

Coolgardie Mining District, October 121A, 1894.

DEAR SIE,—According to your request, I inspected yesterday your Oardiff Castle Gold Mining property, situated 1½ mile north west of the Imperial Reef, I miles cast of Mount Morgin Reefing properties, about 1 mile due west from Lake Lefroy, where abundance of sait water exists for all purposes required for working extensively a number of mines. Pirewood is also very plentiful near by. Your property consists of four blocks—12 acres each; total, 43 acres. It is in the centre of one of the most extensive and promising auniferous formations in existence in Western Australia; it indicates according to the iground opened up to be of a very large formation, indeed permantity going down, and the reef formation (Matrix) to be of a payable and true gold bearing description. Your property is south-east of Coolgardie, and in the Coolgardie Mining District.

The Main Reef formation runs the true direction of the country—North-west 20 points Morth, and South-East 20 points South, underlays 1 in 3, rather inclined to go 1 in 4 as far as I can see at present. At the depth of 30 feet this reef shows a width of 20 feet, and still appears to be widening; is shows good payable fine gold throughout the whole formation, and in every part opened up; or a with reliable indication to continue going down.

At a distance of 50 feet west from Main Reef a parallel Gold Reef formation has recently been opened up; underlaying same as Main Reef; it shows in costeening trench fully 10 feet wide and gold in paying quantities of somewhat coarser nature than in Main Reef, with every indication of permancy both in ormation and gold bearing.

About 50 feet south-west of this a B-anch Reef 3 feet wide, running North-East and South-West, underlaying northerly has also been opened recently; it shows is effect that the stone broken shows similar gold as others, and no doubt will make into one of the branch odes existing.

shows similar gold as others, and no doubt will make into one of the branch odes existing.

These reefing properties are situated in well settled regular country on the castern slope of Mount Edwards and Horseman's gully ranges, where considerable quantities of alivarial gold have been found,

At present from 80 to 80 tons of good payable gold-baring stone has been raised from Shaft, and will be daily added to from the sinking of same. According to my own personal experience in working of fine gold cres in the Eustern Colonies, and guided by the gold visible throughout and by trial sampling, these ores should, under a curful likiviation either by chlorine or cysnide potassium process, return a yirld of 4 conces of gold per ton, but even reduce my estimate by half, say, 2 concess of gold-per ton, it will make, with suitable unschinery, a first class dividend paying property.

As the existing casy workable over can be raised at a very low cort, recknoting the present high rates of wayes, carriage of good, and general expenses, these ores could be worked under these circumstances through all branches, and the gold extracted at a cost of 20, per ton, with a corresponding reduction if railways are finished, and cost of everything decorased.

Considering carefully all points, the very large quantities of material to work upon and other facilities I can recommend these properties as a sure lavestment of a fair amount of capital, and, if carefully expended, it cannot full to be of a lasting and good dividend paying description.

I forward also a small bag of the average quality of stone selected by me from the basps of ores from the main shaft and other places on your property.

CORRESPONDENCE.

do not nonseasurily endorse, the opinions of correspondents. All com s must be accompanied by the names and addresses of the senders marily be published.

DRY CONCENTRATION.

TO THE EDITOR OF "THE MINING JOURNAL." EAR SIR,-With reference to the leading article in your issue of January 26th, re dry concentration, it may interest you to know that we have just finished a bulk trial on a sample of ore from Coolgardie, and have recovered 731 per cent. of the gold contents in a concentrate assaying 367 ounces 8 dwts. per ton.—Yours truly, Jas. H. W. Park.

VALUATION OF MINES.

TO THE EDITOR OF "THE MINING JOURNAL."

DEAR SIR,—Referring to your leader of the 2nd inst., it must be admitted that the value of a mine has in many cases been fixed in a most hap-hazard way. Generally speaking, those who have been fortunate enough to discover some gold reefs or other metalliferous value are necessary with each result of the contract of t

have been fortunate enough to discover some gold reefs or other metalliferous veins are persons, with perhaps a few exceptions, who have no knowledge of their real value; but hearing of the high prices asked and paid for similar properties, naturally look for some exorbitant figure for their own.

The difficulties to be met by a mining engineer employed by a purchaser or company, after he has made an estimate of the quantity of gold quartz or auriferous vein stuff the property is likely to yield in a given time, and the annual profits, are with such vendors who may not be willing to allow the purchasers of an undeveloped property a high rate of interest, and the cost of promotion for the risk that is incurred in the purchase. The risk is an element difficult te calculate when arranging the rate of interest to be allowed the purchases. Undoubtedly the best plan for an engineer when valuing a mine is to estimate its plan for an engineer when valuing a mine is to estimate its ent value at several rates of interest, and report these estimates to his employers, who would then be in a position to give definite instructions, or negotiate the purchase of the property

If, for example, the vendor has a property estimated by a mining engineer to contain 704,000 tons of gold quartz or auriferous vein stuff, of an average value of 12 dwts. of pure gold to the ton, and the following conclusions have been arrived at by

First.—That there will be a loss of 2 dwts. in the process of reduction.

cond .- That the time required to bring the property into working order is two years.

Third.—That the cost of plant will be £15,000.

Fourth.—That the cost of mine development will be £10,000,

and of houses and roads £5740. -That the cost of mining, milling, management, royalties

trarsport, &c., will be £1 10s. per ton.

Sixth.—That the cost of forming a company will be about

Seventh.—That the time required to develop and exhaust the property of quartz will be 11 years.

Eighth.—That the value of the machinery should be taken as nil at the end of 11 years.

nil at the end of 11 years.

The valuer is now in possession of all, or nearly all, the necessary facts required for estimating the value of the property.

What is now required is the interest the vendor will allow the purchasers of the property. Should they be allowed 20 per cent, per annum upon their purchase-money, and to redeem the capital at 2½ per cent, per annum, when the profits are deferred two years the vendor would receive £51,329 11s. 10d. for his property: but should the purchasers look for 40 per cent. for their purchase-money, and to redeem the capital at 2½ per cent. per annum, when the profits are deferred two years, he would only receive £1 3s. for it.

The following will establish more clearly what has been

following will establish more clearly what has been above. We have first to ascertain the annuity or annual stated above. profits to be derived from the mine.

Valuing the ore which is assumed to contain 12 dwts. pure

gold, or gold free from any alloy, at £2 10s. 10 4-5d. per ton, we £1,791,680 0 0

704,000 tons at £2 10s. 10 4-5d. Less the value of 2 dwts.

lost in reduction £298,613 6 8 And the cost of mining, milling, management,

royalties, transport, &c., 704,000 tons at

£1,056,000 0 0 £1,354,613 6 1

Net value of gold in the mine £437,066 13s. 4d. £437,068 13 4 - = £39,733 6s. 8d, the annuity or annual

profits to be derived during the whole time of 11 years. The present value of £1 per annum, so as to show the purchasers 20 per cent, upon their purchase money, and to redeem their capital at 2½ per cent. per annum, when the profits are deferred two years, is 2.3,112947.

Therefore, £39,733.333 × 2.3112947 = the present gross value of the mine.

From which deduct cost of plant. £15,000 0 grown development 10,000 0 £91,835 8 10

houses and roads 5,740 0 6,000 0 " forming company

£36,740 0 0

Compound interest on £36,740 for 3,765 17 0 40,505 17 0 two years, at 5 per cent. =

Net value of property = £51,329 11 10

But the present value of £1 per annum, when the purchasers are allowed 40 per cent. per annum, and to redeem the capital Mr. Micrail Industry. at 2½ per cent. per annum, when the profits are deferred two Ms. P.—Mining and Scient Tr. A. I. M. E.—Transchit.

years, is 1 01947. Therefore, £39,733 33 × 1 01947 £40,507 0 0 From which deduct cost of plant, development, &c., as above 40,505 17 0

bry the opinion of a mining engineer may be in regard facto

If the mine is valued, allowing 30 per cent. per annum, &c., to the purchasers, we find the net present value of it is

£18,04 3s., and this amount, perhaps, may be accepted as a fair value. Of course, other values than those given above would work out, should the gold, as is generally the case, be alloyed with allorer and other metals.—Yours respectfully,

AN OBSERVER.

THE CYANIDE PROCESS.

ITS PRACTICAL APPLICATION AND ECONO MICAL RESULTS.*

By A. SCHEIDEL. Ph.D., E.M.

I. - History.

THE fact of gold being soluble in cyanide of potassium solution has been known for a considerable time. Hagen is reported to have mentioned it in 1806. Dr. Wright, of is reported to have mentioned it in 1806. Dr. Wright, of Birmingham, England, used gold cyanide solution for electroplating in 1840; he made this application in consequence of his studies of Scheele's report on the solubility of gold cyanide in a cyanide of potassium solution. J. R. and H. Elkington patented Wright's invention; they speak in their patent specification of a boiling solution of gol', or cyanide of gold, in prussiate of potash. The first record in scientific literature of experiments in which metallic gold was dissolved in a cyani to of potassium solution, consists in Price Pierre Parention's parent in the in which metallic gold was dissolved in a cyani to of potassium solution, consists in Prince Pierre Bagration's paper in the "Bulletin de l'Académie Imp riale des Sciences de St. Poterabourg," 1843, Vol. 11, p. 136. Bagration, who alludes to Elkington's process, preserved evanide of potassium solution in a disb, gilded on the inside. He noticed that after eight days the whole gold surface had been attacked. He experimented then with finely-divided gold under the influence of the galvanic current; the latter he soon recognised as not of any benefit in the dissolving process. He precipitated the gold out of the cyanide solution by means of the electric current on a cathode of copper. Continued experiments proved the advantage of higher temper. Continued experiments proved the advantage of higher temperature during the dissolving process, and taught the precipitation of gold from its still warm solution by means of silver or copper plates, without the electric current. The higher temperature plates, without the electric current. The higher temperature had, however, the disadvantage of the silver and copper being nad, nowever, the disadvantage of the silver and copper being strongly attacked by the cyanide solution during the precipitation process. Bagration extended his experiments to solutions of ferro-cyanide, which he found to act like cyanide, but in a much less degree. He further studied the solubility of gold in the form of plates, in cyanide, and found it to be dissolved in such form at a considerable rate, at a temperature of 30° to 40° C. He noticed the influence of the air on the reaction. Bagration believes that hydro-cyanic acid in a state of generation is a gold solvent, and he concludes his paper with the remark that, in the future evenide of potassium must be enumeremark that, in the future evenide of potassium must be enumeremark that, in the future evenide of potassium must be enumeremark that. remark that, in the future, evanide of potassium must be enumerated among the solvents of gold. L. Elsner published in "J. fr. Chem.," 1844. p. 441, his observations on the reactions of "reguline metals" in an aqueous solution of cyanide. He found that gold and silver were dissolved in potassium cyanide without decomposition of water. "The dissolution of the metals is, however, the consequence of the action of oxygen, which, absorbed from the air, decomposes part of the cyanide." His reaction has been expressed by others in the following equation:-

has been expressed by others in the following equation:—

2 Au + 4 KCy + O + H₂O = 2 AuKCy₂ + 2 KOH (Gold.) (Cranide (Oxygen.) (Water.) (Auro-potassic Protassical oxygen.) (Water.) (Auro-potassic Protassical oxygen.) (Water.) (Auro-potassic Protassical Oxygen.) (Water.) (Auro-potassic Protassical Oxygen.) (Water.) (Auro-potassical Protassical Oxygen.) (Water.) (Potassical Oxygen.) (Water.) (Potassical Oxygen.) (Potassical as cyanide of potassium. Rae's process is an agitation pro-cess; he proposed to "expose the auriferous or argentiferous rock to the combined action of a current of electricity and of suitable solvents, and to separate the gold or silver from the The principle of Rae's process, as stated by him, distinguishes his method from the modern cyanide process. His method does not appear to have advanced beyond the laboratory stage, or to his method from the modern cyanide process. His method does not appear to have advanced beyond the laboratory stage, or to have found extensive and successful practical application, and it sank into oblivion. Since then, evanide of potassium in connection with gold and silver metallurgy has repeatedly been made a patent claim; in many cases, however, the application recommended is, in its principle, different from the application which characterises the modern cyanide process. Thomas C. Clark, of Oakland, California (United States patent No. 229,586, July 6, 1880), reasted his ore to a red heat, and placed it in that condition in a cold bath composed of a solution of salt, prussiate of potash, and caustic soda. H. W. Fancett, of St. Louis, Mo. (United States patent No. 236,424, January 11, 1881), subjects hot crushed ores to the action of disintegrating chemicals, cyanide of sodium among others, in solution under pressure, the pressure being effected by the steam generated by the contact of the hot ores with the chemical solution in a closed vessel. This treatment, like that proposed by Clark, was intended as preliminary to amalgamation. John F. Sanders, of Ogden, obtained United States patent No. 244,080, dated July 12, 1881, for "composition for dissolving the coating of gold in ore." This composition is made of cyanide of potassium and glacial phosphoric acid. He stated that by using this mixture he could dissolve "the impure coatings of gold, leaving the gold free and exposed, and permitting it to be amalgamented." It is avident therefore, that these contings of gold, leaving the gold free and exposed, and permit-ting it to be amalgamated." It is evident, therefore, that these processes bear no similarity or relation to the modern cyanide process. For a considerable time, cyanide of potassium has been used in the gold fields of California and Australasia for removing film-coating from gold in ores; its application in the pan-amal-gamation process may have been a source of loss of gold.

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Mr

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* Bu'letin No. 5 issued by the Californian State Mining Bureau.
Note. - L'at of abbreviations of literature : B. and M. J. - Engineering and Mining Journal, New York.

NOTE. - L'ac of abreviations of iterature: —

B. and M. J. - Engineering and Mining Journal, New York.

M. L. - Mineral Industry.

M. L. - Mineral Industry.

Tr. A. I. M. B. - Transactions of the American Institute of Mining Engineers.

J. S. Chem. - Journal of Sectety of Chemical Industry, England.

J. Fr. Chem. - Journal of Engineers.

J. Ch. B. - Journal Offenical Society.

Tr. Phil. Soc. - Transactions of the Philosophical Society.

M. St. - Moniteur Scientifique.

A. Cb. Ph. - Annales de Chimie et de Physique.

Ch. B. - Chemical News.

B. A. L. So. - Builetin de l'Académie Imperiale des Sciences de St. Feter's.

Dang.

B. S. Ch. - Bui etin de la Socié Chimique de Paris.

COLLIERY EXPLOSION IN SOMERSET .- An explosion, probably arising from coal dust, cocurred in the Conygere Colliery, burg, between Bath and Bristol, on Wednesday night. The the concussion was terrific, practically wrecking the mine. Seven men were killed.

To be continued.)

MR. LIEWSLLYN WILLIAMS.

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The SUBSCRIPTION LIST will OPEN on MONDAY, the 11th day of February, and CLOSE at or before Four p.m. on TUESDAY, the Twelfth day of February, for LONDON, and on WEDNESDAY, February 13th, at Twelve o'Clock Noon for the COUNTRY.

FEATHER WHITE DISTRICT.

Coolgardie Gold Fields.

THE ROBINSON GOLD MINES, LIMITED.

(Formed to acquire the "Cocktail" and "Burster" Gold Mining Leases.)

Incorporated under the Companies Act, 1862 to 1890.

Capital £80,000, divided into 80,000 Shares of £1 Each,

Of which 30,000 are now offered for Subscription at Par. Payable: -2s. 6d. on Application, 7s. 6d. on Allotment, and the balance as and when required in Calls not exceeding 5s., at intervals of not less than one month.

DIRECTORS.

WILBERFORCE BRYANT, Esq., Stoke Park, Bucks (Chairman). LORD DOUGLAS OF HAWICK AND TIBBERS, late of Perth, Western Australia. HERBERT PALMER, Esq., Director Roodepoort Deep Level Gold Mining Company, Limited, &c. Hon. H. J. SAUNDERS, Member of the Legislative Council, Perth, Western Australia, *F. A. THOMPSON, Esq., M.A.I.M.E., Managing Director, 54, Old Broad Street, E.C., Chairman White Feather Reward Claim, Limited. Will join the Board after Allotment.

HON. HENRY J. SAUNDERS, M.L.C., Perth.

ROBERT F. SHOLL, Esq., M.L.A. Perth.

SOLICITORS.

MESSES BURN AND BERRIDGE, 11, Old Bread Street, E.C.

BANKERS.

MESSRS, PRESCOTT, DIMSDALE, CAVE, TUGWELL, AND Co., LIMITED, 50, Cornhill, E.C.

BROKERS,
J. M. COPPEN, Esq., 18, Finch Lane, E.C., and Stock Exchange.
MESSES, MIDDLETON AND FRASER, 206, Swan Arcade, Bradford.

MANAGERS IN WESTERN AUSTRALIA.
MESSRS. HENRY J. SAUNDERS and CO., Pertb.

CONSULTING ENGINEERS.

MESSES, BEWICK, MOREING, and CO., Broad Street House, E.C.

AUDITORS.
MESSES. MONKHOUSE, GODDARD, and CO., 28 and 29, St. Swithin's Lane, E.C.

SECRETARY AND OFFICES,-PERCIVAL TIBBS, Esq., 54, OLD BROAD STREET, E.C.

PROSPECTUS.

This Company has been formed to acquire Mining Leases, No. 538, containing 13 acres, locally known as the "Cocktail," and No. 878, adjoining, and containing 12 acres, locally known as the "Burster," situate in the White Feather Mining District, Coolgardie, West Australia, about 1½ mile N.N.W., from McAuliffe's Reward Claim, now being successfully worked by The White Feather Reward Claim, Limited, and to amalgamate and work the two properties as one large mining area of 30 acres.

The property has been inspected and reported upon by:

Meastr. F. Bissenberger, Mining Manager; W. H. C. Lovely, M.A.I.M.E.; N. W. Harper, Mine Manager, Fraser's Gold Mine, S. uthern Cross; G. R. Fearby, M.E., M.S.E., Coolgardie, Western Australia, and Newcastle-on-Tyne, England, and F. H. Backhouse, M.A.I.M.E. The statements contained in this Frospectus are based upon their reports, full copies of which accompany the same.

Mr. F. BISSENBERGER, in his Report dated September 3rd, 1894, on Lease No. 636, known as "Cocktail," states:—

That it is situated about one mile N.N.W. from McAuliffe's well known property. White Feather, recently purchased by the Westralian Goldfields Company, Limited, and consists of 13 acres. There are several strong resis

That it is situated about one mile N.N.W. from McAuline's well known property.

Discretely the Westralian Goldfields Company, Limited, and consists of 13 acre'. There are several strong reefs outcropping on the property.

One of these, which takes a course N.E. by S.W., underlaying S.E. has a shaft sunk on to a depth of about 30 feet, disclosing a strong body of stone from 2 feet on the surface to 3 feet 6 inches, the bottom carrying gold.

Adjoining to the west is a property known as Thomas and Wasson's (the "Burster").

About 50 feet from the boundary they have a shaft sunk on a strong reef, running a point or two south of east and underlaying south, about 2 feet wide, and carrying very good gold all through; some of the best they are dollying. They have by an open cutting disclosed this reef on the surface to within 6 feet of your boundary, where it is a foot wide, and carries good gold. From the trend of this reef easterly it should junction with the reef referred to above a little to the south-west of the shaft.

A parallel reef running about 4) feet north of this through your property has been opined on in Thomas and Wasson's lease and proved to be gold-bearing.

My present inspection of your property has presented features that did not come under my notice previously, and adds considerably to its value, must notably the developments in Thomas and Wasson's lease, and the existence of the most northerly reef of which I was unaware at the time of my first visit.

Mr. LOVELY. M.A.I.M.E., in his Reports dated 17th September and 24th November, 1894, upon the "Cocktail," states:—

That it is situated about two miles north of White Feather in the Coolgardie Goldfield, and comprises Lease 30. 335, containing eighteen acres, and adjoins the "Bur ter" Mine.

There is a large and well defined reef running through the property from end to end, outcropping boldly in the centre of the lease. It is a continuation of the "Burster" reef, which is yielding very rich stone right up to the boundary of the "Cocktail." Just over the boundary on the latter lease a shaft has been sunk about 12 feet, cutting the reef, which has a strong underlay at 10 feet. It is here 9 inches thick, and very rich indeed. Several samples which I took and assayed yielded gold at the rate of from 3 ounces 4 dwts. 11 grains to 20 ounces 13 dwts. 23 grains to the ton. I estimate that the reef will ave-age 12 ounces to the ton at this shaft.

About one chain further along a hole has been sunk 4 feet, showing the reef carrying the same high grade stone, and wider than at the first mentioned shaft. I assayed a sample from this hole, and it carried 11 ounces 6 dwts, 4 grains to the ton.

I am of opinion that the same run of gold extends from the boundary shaft to some undetermined point beyond the 4 feet hole.

The precious metal is well disseminated through the stone, and I believe that what has been broken from these two holes would crush over 10 ounces to the ton.

the tiest hole.

The precious metal is well disseminated through the stone, and I believe that what has been broken from these two holes would crush over 1) ounces to the ton.

Some of the stone broken from the rer! was extremely rich, being thickly studded with coarse gold, but the samples taken for assay contained none visible without crushing. The gold is comparatively coarse, and would therefore easily be saved.

I might mention that all the assays were made by smalgamation, so that the results represent what gold can actually be saved by ordinary processes.

Li has already been demonstrated at White Feather that plenty of water for battery purposes is obtainable by sinking, and I reckon would be struck on the "Cocktail" at n depth of 150 feet.

The mine is opening up even beyond expectations

Recent work has disclosed the fact that instead of one reef, there are at least four on the lease, all carrying gold, some being very rich; and, moreover, one of the latter consists of a good sized body of stone.

Mr. N. W. HARPER, Mine Manager, in his report dated November 29th, 1894.

on Lease No. 876, known as the "Burster" Mine, states:—

That on Lease No. 876, known as the "Burster" Mine, states:—

That on Lease No. 876, comprising an area of 12 acres, situated at the White Feather, and applied for in the name of Messrs. Thomas and Watson, there are four parallel reefs treetable on the surface, two of which have been prospected for an approx mate distance of 30; feet with most encouraging results, but owing to the flat nature of the ground there is a deep superficial deposit which overlies the reef, thus rendering for the tracing a most difficult matter, but one may reasonably expect that they traverse (the property for the whole distance, as they are found on the adjoining properties.

On the hanging-wall side of these reefs a vertical shaft hasbeen sunk to a depth of 34 feet. At a depth of 35 feet thereof nearer the shaft was passed through (at that point) showing a width of 12 inches where gold can be seen freely in the quarts. At a depth of 46 feet another reef was mit with 2% feet in width, which was not known to exist on the surface) was met with, width 2 feet; this also carries the same excellent quality of stone. Near to the bottom of shaft No. 2 reef (which was prospected on the surface) was met with, width 2 feet; this also carries to easie which can be seen freely. From the bottom of the shaft a crosscut 8 outh was driven about 25 feet. At this point two of the reef and junctioned, which formed a solid body of quarts 4½ feet wide. The reefs in the crosscut are much larger than on the surface, which I consider a most promising feature.

On the surface a number of trenches have been sunk which produced stone of a most excellent quality. I saw observe when such a surface a number of trenches have been sunk which produced stone of a most excellent quality. I saw observe when such a surface a number of the sheat, and washed same in a miner's dish, and was astonished at the good prospect obtained, as the stone

G. R. FEARBY, M.E., Member of the Society of Engineers, Coolgardie, Western Australia, and Newcastle on Tyne, England, in his Report dated November 23rd, 1894, on the "Burster" Mine, White Feather, states:—

There are two reefs exposed on the surface.

There are two reefs exposed on the surface.

Mo. 1 reef has been opened up in different parts of the Mine—over a distance of 1:0 fret, and in piace is sunk upon to a depth of from 7 to 10 feet, In these trenches the reef is from 8 inches to 1 foot in thickness. The quarts I tested (which I took from this reef) will yield 5 to 6 counces to the ton.

Mo. 2 Reef is 50 feet to the south of No. 1 Reef. It is opened out by a cutting of 15 feet in length by a depth of feet.

No. 2 Reef is 50 feet to the south of No. 1 News. At is opened out by a country, which I tested, will give a fetting the reef is from 10 inches to 1 foot 2 inches in width, and the quartz, which I tested, will give a return of 5 counces to the ton.

About 40 feet to the south of No. 2 reef a shaft has been sunk to a depth of 54 feet. In this shaft, at a depth of 48 feet, the No. 2 Reef was cut and was driven upon westwards 3 feet, and shows gold freely. The reef is well defined, and making stronger, not being so decomposed as in the cuttings above referred to.

At a depth of 46 feet a leader 5 inches wide has been out. At a depth of 52 feet No. 1 reef has been out, I thoroughly tested the quartz at this depth, and the golf shows freely in every part of the reef. At the depth of 54 feet a drive has been started to the south on the west reef that was out, being No. 1 Reef.

This reef is running on the flat with a slight underlay to the south. This drive is in fully 36 feet. The quartz is making larger and stronger in a southerly direction.

All the veins (four in number) are converging towards one another at this depth (54 feet), there being only from 10 inches to a foot of rock between them, and in my opinion will join and form a good solid reef of from 4 to 5 feet in width.

width.

I estimate the store at grass from 100 to 200 tons. Some of this stone is exceedingly rich in gold, and is visible to the naked eye. I should think this stone will yield quite 5 ounces to the ton.

I also estimate in the mine itself that there are 2,000 tons of quartz in sight. The gold is distinctly visible, and goes right through the stone. This quartz will also yield 5 ounces to the ton. The 2000 tons can be raised very cheaply, as the ground is soft. I have examined a good many mines in and around Coolgardie, and with the exception of the sensational mines, I have not seen a property I like so well. The rook is decomposed diorite, in which country the reef is sure to live, and consequently the "Burster" Mine may be regarded as of permanent value.

The Hon. William Clarke, of Perth and Coolgardie, Western Australia, at the request of the Vendor, has recently procured a report from Mr. G. R. Fearby, M.E., M.S.E., on the "Cocktail" Lease, and has cabled the same to the following effect:—

tail "Lease, and has cabled the same to the following effect;—

Fearby's Report, according to instructions in your cable of the 14th January: "Proceed at once to make a thorough examination of the property, telegraph opinion, and send by post full report. Cocktail Lease, No. 636.—I have carefully examined the property. The property covers an area of 18 acres, adjoins east ide of "Burster," Three lodes have been runk on to an average depth of about 30 feet. Main lode 4 feet wide, running N.E. by S.E. Average assays from the lode give 25 dwts, per ton. Parallel lode shows a body of ore 3 feet 6 luches wide. Measurement of the dump showed it to contain about 40 tons. Assays from the dump averaged 18 ounces 15 dwts, per ton at the bottom of the shaft, 22 feet, are in good ore. Samples of the ore from depth of shaft assays 6 ounces 15 dwts, per ton. The third lode shows a body of ore 19 inches. An average sample of assorted ore from here crushed, assays 50 to 35 ounces per tor. Main Reef has a dip of 75 degrees from the horizontal. A well-iefined lode, larger development works, were stopped for lack of funds. Parallel lode developing splendid. Reef is contiguous to the "Burster" lode. "Burster" reef will be cut at a depth. Third lode is "Burster" reef. Ore reserves now in sight—estimated tunage, 1000 tons, 4 ounces of gold per ton. I consider it a most valuable property. I can confidently recommend it as thoroughly genuine,

A cab'e report has been received from Messir. H. J. SAUNDERS & Co., stating result of a report to them by Mr. F. H. BACKHOUSE, M.A.I.M.E., upon the "Barster" and "Cocktail" Caims.

White Feather, to the following effect:—

Backhouse reports "Burster" there are two veins embraced in this property; small parallel vein runs north-east and south-west; the vein dips at an angle of 60 degrees, " " " I estimate the amount of ore in sight as 250 tons, sasays 3 ounces per ton. The vein his been proved to a depth of 50 fect. " " " Have driven lev I south-east, a very large ore-hody exposed. Vein is almost horizontal, assays 22 dwts, per ton; valuable preparty. "Cocktail "continuation" Barster's "reefs. I estimate the ore in sight at 1500 tons, assays 2 ounces per ton. Also vertical vein to a depth of 30 feet, Strongly advise amalgamation of Claims.

Cable received from the HON, WILLIAM CLARKE, 29th February, 1895 :-

"Burster," in driving along the course of the vein west, have struck very rich ore,
From the foregoing statements it will be apparent that the Boundary dividing the two properties is merely a
surveyed line and not a geological one, and that they can be worked far more economically by the proposed
amalgamation than otherwise, thus forming one of the largest Blocks in the district,

The Vendor, who bears all express up to allotment, except registration and legal expenses, has fixed the purchase price of the property at £80,000, payable as to £15,000 in cash, £33,000 in fully-paid shares of the Obmonay, and the balance in cash or fully-paid shares, or partly in cash, and partly in fully-paid shares, at the option of the Directors. 10,000 of the first Shares subscribed will be allotted for providing working capital. The remaining 10,000 Shares will be reserved for future issues.

balance in cish of fully-paid mares, or party in party in the content of the first Shares subscribed will be allotted for providing working capital. The remaining 19,000 Shares will be reserved for future issues.

The following Contracts have been entered into:—An Agreement dated the 19th day for October, 1814, made between John Stroud Read, of Perth, Western Australia (acting on behalf of Federick Dadiey North) and Frederick Augustus Thompson of the other part, in relation to 60dd Mining Lesse, No. 878. and an Agreement dated the 8th day of Forestern Augustus Thompson, in relation to 40dd Mining Lesse, No. 878. and an Agreement dated the 8th day of February, 1935, between Frederick Augustus Thompson (the Vendor) and Ferdival Tubs, as frustee for the Company, under which the former, is consideration (amongst other things) of his guaranteeing the above working capital, derives a profit upon the sale of the property to the Company.

The Vendor has entered into certain contracts and arrangements, to which the Company is not a party, in respect of the formation of the Company, and the underwriting of part of its capital, which may be contracts wit in the meaning of Section 33 of (the Companies Act, 1857. To some of the above underwriting contracts the directors, or some of them, are parties, in consideration of which they are to receive a commission or payment from the Vendor, Subscribers will be deemed to have full notice of the date, the names of the parties to, and the contents of the above contracts and arrangements, and to waive any further compliance with the above-ment oned section.

The Memorandum and Articles of Association, the above-named original reports and agreements can be inspected at the offices of the Solicitors of the Company.

Applications for Shares must be made on the accompanying form, and sent to, the Bankers of the Company, or to the Secretary, together with a deposit of 2s. 6d, per Share.

In case there is no alignment of shares the deposit will be returned in full.

This Form to be filed up and sent entire to the Bankers, Mesers, PRESCOTT, DIMSDALE, CAVE, TUGWELL, AND CO., LIMITED, 50, Cornhill, London, E.C., together with a remittance of 2s. 6d, in respect of each Share applied for.

FORM OF APPLICATION FOR SHARES.

THE ROBINSON GOLD MINES, LIMITED.

THE ROBINSON GOLD MINES, LIMITED.

To the Directors of

C. PASS & SON (Limited), BRISTOL,

LEAD ASHES, SULPHATE OF LEAD, LEAD SLAGS, ANTIMONIAL LEAD, COPPER MATTE, TIN ASHES, &c. and DROSS or ORES containing

COPPER, LEAD, AND ANTIMONY.

LAMBERT'S WHARFAGE CO., PRINCE OF WALES DOCK, SWANSEA.

Ores, Mattes, Regulus, and Bars received and prepared for market. Copper, Lead, Tin, Spelter, and Pig Iron Received, Weighed, and Sampled, and Warrants issued against same.

N.B.—Warrants are on accepted list of London Metal Exchange. Regular lines of steamers from America, Europe, &c. Consign goods to Lambert's Cranes, Prince of Wales Dock, Swansea

PACIFIC MINING AGENCY AND TRUST COMPANY

A Corporation organised under the Laws of the State of California CAPITAL STOCK, \$50,000.

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U.S. Senator Hearst.
IRVING M. SCOTT, Manager Union Iron Works.
JACOB H. NEFF, President California Miners' Association,
P. N. LILIENTHAL, Manager Anglo-California Bank (Limited).
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Association),
BANKERS—The ANGLO-CALIFORNIAN BANK (Limited).
HEAD OFFICE — MILLS BUILDING, SAN FRANCISCO, CAL.

THIS COMPANY sells Mines, Mining Claims, Ditch Properties, and Water Rights on COMMISSION, and will act as Agent and Broker for the Sale and Purchase of such Properties.

It is intended to conduct the Purchase and Sale of Mining Claims, Ditch Properties, and Water Rights on the same basis as

It is intended to conduct the rurenase and sale of allining claude, Ditch Properties, and Water Rights on the same basis as a real estate transaction.

The Company is prohibited by its Articles of Incorporation from buying or selling on its own behalf, or except upon commission, or as agent or factor for others.

The buyer pays no fees whatever, and there is no incentive to advance the price beyond the original figures at which the price and commission have been agreed upon with the seller.

It is not intended only to negotiate the sale of an entire property but interests in such may be sold or money obtained for development work.

This Company especially solicits the business of making reports or examinations for non-resident mine owners on any of their mines in the United States, and obtaining special information as to their condition and so forth (said reports being confidential).

Those who conduct the business of the Company have had long experience in mining operations, and it is their intention to place the Company in a position to inspire the confidence of all who seek its assistance in its integrity and fair dealing.

We respectfully refer to any Bank (Limited), London, as to the standing of the Board of Directors of this Company.

Descriptions of properties for sale with maps, reports and all necessary information, are left on file in the office of the Company.

Abstracts of such reports with prices of mines will be furnished pon application.

California has produced £267,000,000 in gold, and is still producing

California has produced £267,000,000 in gold, and is still producing £2,680,000 a year. There are thousands of claims requiring capital for development. In other Pacific Coast States and Territories there

are abundant opportunities for investment in mines of gold, silver, copper, lead, coal, and so forth. Information concerning these will be furnished by this Company on application.

This Company will also furnish competent engineers, superintendents, foremen, miners, millmen, assayers and others connected with the mining industry on application, furnishing their references and so forth.—Cable Address, "CHAPIN," San Francisco.

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six wheels coupled, ready for instant work, and cheap for cash or three years' purchase-lease. 14 inch cylinders, by Avonside Engine Company, now near Cardiff.

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Tenders must be lodged at this Office not later than 2 p.m. on

Friday, the 15th of February. 1895, stating the price per ton of 20 cwts. (dry weight) for each lot of the Ore, including Copper, Silver, and Gold contents, without any drafter deductions whatever. Moisture, if any, to be taken at the time of delivery.

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VIVIAN, YOUNGER, and BOND, 117, LEADENHALL STREET, LONDON, E.C.

The particulars are as follows :-

			To	DF.	cwts.	qrs.
	(Lot 1	weighing	about	4	1	0
	1 , 2	20	19	4	1	0
ax "Orizaba" (a)	1 ,, 8	99	99	4	1	0
dr Otisaos (a)	1 11 4	99	99	4	15	0
	1 , 5	29	99	4	15	0
	1 6			4	3.55	0

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LONDON: FEBRUARY 9, 1895.

THE TREATMENT OF GOLD SLIMES,

TAST as has been the progress made of late in the recovery tract the precious metal from the slimes. after the Safe.

Payment to be made by good and approved Bills at two months date, or in Cash, less Discount, at Sellers' option.

Should two or more Buyers offer the same price, such being the highest price, the ore to be equally divided between them.

It is intended to accept the highest Tender, but we reserve to ourselves the right of declining to sell.

Letters is plenty of profit to be gained in the treatment of these dense, fine, unbreakable particles of sand. They form a considerable proportion of the ore at all gold fields, and the Transval mines alone probably lose £300,000 a year by the inability to troat slimes. It will be seen that developments of distinct importance is now being directed to the solution of this problem. It is which nothing authentic is known. The same thing being attacked on several sides, by metallurgists and chemists of will operate to prevent the rapid absorption of Rhodesian the most brilliant achievements. One radical proposal is simply mineral properties by London financiers, which is hoped for to prevent the formation of slimes by increasing the fineness of battery crushing. This, however, can only be done by the value of Rhodesia's mineralisation is one of the strongest abandonment of water in the crushing process, either by the use obstacles to the development of a "boom" in that direction. of centrifugal and roller mills, or by the substitution of pneu- One cannot but remark this defect strongly in connection with

matic power for hydraulic in the ordinary stamp battery. Such interference with existing plants is not likely to take place while the prospect of dealing separately with the slimes remains a hopeful one, and, at present, indications point strongly to success in this direction. It is claimed that so far as rich slimes are recovered—that is, containing about 7 dwts. of gold to the ton - successful treatment has already been achieved. By means of disintegration and subsequent pressure, as much as 98 per cent. of gold has been obtained at a cost of 10s. per ton; and these figures would certainly seem to constitute a commercial success for the process. The bulk of gold slimes, however, does not carry more than 3 or 4 dwts. to the ton, and obviously it would not pay to deal with them in this manner. It cannot be said that any actual working success has attended the experiments with poorer slimes; but several processes have appeared so far promising of practical results that trial plants have been erected at different gold mines. One of these aims at improving the precipitation of gold from dilute solution, which is sought to be effected by preserving the chemical purity of the zinc, and by the addition of an electro-negative element. The largest claims for success in the treatment of slimes come, however, not from the gold fields, but from the London chemists. Messrs. Sulman and VAUTIN believe they have arrived at the goal of the remunerative treatment of slimes by the revolutionary method of abandoning the oxygenation of the cyanide in the leaching process. Contrary to previous experience, and to scientific theory, they declare that the presence of free oxygen prevents the solution of gold by cyanide of potassium. They, therefore, do away with the oxygen, and substitute the haloid salt-bromide of cyanogen. The addition of a small quantity of this salt to the cyanide solution will, it is asserted, dissolve the gold far more rapidly and completely than can be done by the existing cyanide process. By the use of an emulsion of zinc fumes the present expensive smelting process is obviated. The application of the invention to the treatment of slimes depends upon a very simple discovery. Messrs. Vautin and Sulman declare that, by adding soap solution to the slimes, stirring them well, and clotting the soap with lime, they can be rendered perfectly susceptible to the action of cyanide of potassium. It is claimed that after this preparation the slimes can be treated under the bromide-cyanide process with the plant now overworked in the treatment of tailings alone, this being due to the great economy of time effected by the new system. If all these claims are verified in practice, we should be on the eve of a vast addition to the dividend-earning capabilities of gold mines. It may be pointed out that, in practical working at the Geldenhuis Estates, the fineness of the gold recovered from the zinc slimes of the cyanide process has been raised to 850, instead of the average of 668. The spirit of progress is evidently strong in this branch of metalliferous science, and, with so large a body of independent and expert investigation in process, it ought not to be long before the difficulty of extracting gold from slimes is satisfactorily settled.

GOLD MINING PROSPECTS.

THE wonderful success which has lately been achieved by gold mining on the Witwatersrand is certain to be followed by a general "boom" in the enterprise in all quarters of the globe. We have already seen the first fruits of such a movement in Western Australia, and within the past few weeks capital to the nominal extent of some millions has been raised for the purchase of auriferous deposits in Mashonaland and Matabeleland. It is perfectly natural that the investing public should tend to rush into gold mining as by far the most profitable of all the channels which are available to it for speculating its money. The extraordinary progress of the Witwatersrand mines is not simply a matter of output, but also of profits. This is a fact which the critics of the present movement in the "Kaffir Circus" altogether fail to appreciate; As a matter of fact, for a long time past the ratio of augmentation has been much greater in dividends than in production. The rise in the values has been almost entirely confined, so far, to shares which are paying some return upon their capital. At the inflated prices—as some censors have been calling them which have lately been reached, the capital value of these companies' mines stands at thirty-five millions sterling. Upon the profits gained during the working of 1894, this inflated capital has secured a return of 22 per cent. It is upon such datarather than upon the total sum expended in South African mining in the Transvaal and elsewhere—that the reasonableness of speculation in Rund values should be judged. And with the schemes of amalgamation now being floated, and the vast improvements continually being made in technical methods, it is only natural to expect a permanent expansion of the industry, and a vast increase in its percentage of profit. There are many gold mining companies on the Rand that have remained during the "boom" at ridiculously low prices considering the substantial excellence of their prospects, and one cannot help being struck by the rather sheep-like way of gold from battery tailings-by which nearly 600,000 in which the public has followed certain leads. An increase of ounces of gold were produced on the Rand alone last stamping power in the case of one mine has meant a rise of 400 arcely any practical attempt has yet been made to ex- or 500 per cent. in the price of the shares, while in the case of Yetthere is plenty of another they have not more than doubled, and with a third it has produced absolutely no effect. The main cause of these divergences has been the relative frankness of mining directors themselves. Where the authorities of a mine have taken pains to issue honest and detailed information about the property's It will be seen that developments of distinct importance prospects the market has immediately responded, but for gold mining are promised in the attention which the market is not unnaturally distrustful of mines of The absence of any clear and definite data as to the £ s. d.

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nearly all the ventures which have lately been floated. It must, are unseaworthy and dangerous to use. This difficulty may be however, be clearly understood that neither in Rhodesia nor in Western Australia do the conditions prevail that constitute the certainty and economy of Rand mining. But it would be better to recognise this fact, and to set forth a speculative enterprise as such, than to talk vaguely about unquestionable riches. It is a mistake in such matters to assume the air categorical without being categorical in all details.

WHAT ABOUT ALUMINIUM P

EVERY dog, we are told, has its day, and metals, like dogs, have their day. In primitive CAIN and his metallurgical confrères were gifted workers in iron and brass, for "TUBAL CAIN was a man of might, in the days when the earth was young." Others among the ancients, by adding one part of tin to nine of copper, produced bronze, which was long the most serviceable metal alloy known. It gave its name to an age. Even to-day it is not discarded, for it still fills a most important function in the world of Art. Subsequent to the age of bronze, metallurgical science brought iron within the reach of all, and made it the handmaid of civilisation; and, later still, steel took the place of iron by virtue of its comparative lightness and greater durability. Steel is now more commonly used in shipbuilding and machinery, and industrial work generally, than any other metal, on account of its strength, lightness, and cheapness. The latter quality has conduced to its popularity more than the two former. It was always light and strong. It is only within the last two decades that it has become cheap. Aluminium, which some metallurgists believe will be the metal of the future, is also light, and when alloyed is of great tensile strength. It is likewise cheap, but its cheapness is as yet only comparative. Will it eventually take the place of steel in certain branches of the mechanical art ? Until quite recently its price was prohibitive of its use in many directions where its utility had been proved, but the same thing might have been said about steel in days gone by. Electricity has made many things possible which were but vague guesses or dreams in the minds of seers, philosophers and poets. Robin GOODFELLOW'S threatened feat to "put a girdle round about the earth in 40 minutes" has been improved upon by aid of man's new and mysterious servant, and in the world of metallurgy electricity has done much and will do more. Aluminium is one of the most plentiful and widely distributed of metals, but the difficulty has been to release it from its matrix by a cheap process.

To aluminium processes there has been no end. It is not long since we heard of one by which pure aluminium could be produced from cryolite for nothing, the by-products alone more than covering the cost of the whole operation. We do not say that this feat is impossible, but at present it seems about as feasible as extracting gold from brickbats, or converting small coal into Brazilian diamonds. A great deal of capital has been honestly expended in this country in the endeavour to cheapen the cost of aluminium, but our continental friends in Switzerland and France have left us far in the rear in the matter of cheap production. One of the great features in producing aluminium cheaply is the command of ample power which shall cost little or nothing. Water is the best and cheapest power known, and there are many districts in the United Kingdomparticularly in Wales, Scotland, and Ireland-where thousands of horse-power are running hourly to waste. It is essential that the power should be near sea or rail. In the making of iron and steel a coal field has to be adjacent to ensure commercial success, but the coal difficulty is surmounted by the minufacturer of aluminium. Water will produce this power for electricity, and electricity will produce the metal from the orebody without the aid of coal. 1500 horse power is at present being used at Niagara for the production of aluminium by

The British Aluminium Company, which has been formed to work the French electric patents, has, we believe, searched the United Kingdom for water power, and has secured all it requires in a somewhat remote, but not inaccessible, part of Wales, The process which it has acquired has been a commercial success in France and Switzerlend, principally because the industry was located in districts where the water supply was immense, and where the physical geography of the country made it possible to secure a great hydraulic grade in a comparatively short distance. Similar conditions prevail in Wales for a great part of the year, and with ample storage reservoirs the water supply can be made perpetual. It is surprising that so little use is made of the mountain streams of our highland districts for the generation of electrical power. Our great cities think nothing of going hundreds of miles for a supply of pure water, and in many cases they could light their streets and business houses for six months in the year with the unutilised power which escapes from their storage overflows. This by the way. What By we are dealing with is the production of aluminium. and produce aluminium at a less cost than steel. Whether it nitude of the return to the proprietors is in inverse be proved. Some of our Arctic explorers speak in the highest have achieved feats that would have been impracticable which a deferential approach has to be made to a friendly finanwithout them; they are strong, light, and consequently cier, is one that has its dangers as well as its inconveniences. portable, and no other material at present known would have proved so serviceable in boat construction for Arctic voyages as is, moreover, one which requires that a certain surplusage of the bright, featherweight metal which has been so successfully funds should be kept on hand from year to year. Months have employed. On the other hand, reports reach us from naval quarters that sea-water plays have with the aluminium boats in | in and the wherewithal to "carry on the war," as it is phrased, the service of the Admiralty. It is said that the action of sen-

got over by combining aluminium with some of its alloys, and producing a light metal that will resist the influences of the sea. In any event, if aluminium can be cheaply produced, as we know it can-furthermore we believe that in the future it will be produced at a price far cheaper than now seems practicable—the hundred and one uses to which it may be applied will have the effect of revolutionising the bent of commerce, the art of war, and the industrial conditions of the world.

NOTES AND COMMENTS.

THE report of the directors of the Gold Fields of Mashonaland (Limited) has been anticipated with more than ordinary interest, but we are afraid that the information contained therein will be disappointing. There is nothing in it to lead us to hope for early success, though there is nothing, on the other hand, to make one depressed. Hopes and expectations are centred chiefly upon the Cotapaxi reef, concerning which, it will be remembered, a very brilliant cablegram was received at the end of November. As this happened, however, subsequent to the date to which the report is made up, it is not alluded to at length by the directors. In the document before us a most important and significant paragraph is that which announces the visit of Mr. J. H. Hammond to the Cotopaxi Mine, and which gives his opinion upon it. He reported that the ore was of low grade, and that only by considerable improvement in the quality opened up by future developments would it be possible to operate profitably with the present 10-stamp battery. The board, thereupon, gave directions to continue to develop the property with the view, if possible, of discovering richer shoots of ore, with the result that towards the end of last year-as previously mentioned—a cablegram was received from the manager, stating that he had struck a rich body of ore in the east drive. On the first day of this year he further telegraphed that the mill had been started again. Although the report is not so brilliant as was anticipated, there is much to lead us to hope that in time the company will be successful and prosperous.

In a comparatively short period the shareholders in the Premier Concessions of Mozambique must have gravitated from an extreme of hopelessness to one of satisfaction. A short time ago an order to wind-up the company compulsorily was being forged in the legal arsenals of the Strand, but this fate was averted by the timely action of Mr. North, and to-day matters bear a very different complexion. The immediate cause of the danger which befel the undertaking was not any doubt as to the value of the property, but the miscarriage of an expedition that went with every promise of sucess into the torrid territories of Mozambique. Mr. Parsonson, himself the vendor, has just returned from Africa; and with him to reorganise the working of the company's property, and with Mr. North to put into effect his scheme of regenerating the London management and constitution, there is a very bright outlook for the enterprise. The company's territory is both extensive and rich; the farms are undoubtedly suitable for agriculture, while whole patches of the ground are said to be goldbearing. The company is, in fact, what, in a theological reference would be called a brand snatched from the burning.

HAMPTON PLAINS was justly said, at the meeting on Tuesday, to hold a "unique" position in the London mining world. The vastness of the territory, and the many characters of the land, alike mark the company out for the attention of the investor and speculator from the crowd of minor ventures glistening in the financial firmament. The ever-sensitive and veracious tone of the market, clearly indicates the favourable manner in which the prospects of Hampton Plains have struck the public mind. And it would appear from the speech of Lord Arthur Butler that the board have already taken the most prompt and effective measures to turn the many advantages of the undertaking to their best account. Men of experience are already representing the company in the colony, so that the affairs of the shareholders would seem to be confided into able hands. The shareholders are, furthermore, fortunate in having upon the board directors who know so much about company matters as Mr. A. H. P. Stoneham, and who have so intimate an acquaintance with West Australia in general, and Hampton Plains in particular, as Mr. Lapage. Prophecy in mining matters is, at best, a risky sort of undertaking, but with such a vast and valuable property, and so full and efficient a management, both London and colonial, Hampton Plains would seem to be an undertaking that investors might go in for without much apprehension for

THE shareholders of the Twin Lakes Placers (Limited) are to be felicitated upon the decided turn for the better which has been given to the company's affairs by the present London board and local management. means of cheap electrical power, this metal can be produced at They themselves will not be given the opportunity to doubt the a few pence per pound, so it is claimed; but there is no appa- substantial character of the change, for the payment of a high rent finality to the possibilities of electricity. In the future it rate of dividend is the surest evidence that could be advanced. may be practicable to realise the dreams of some of our chemists, There is something in the hint of a shareholder that the magwill eventually take the place of steel in shipbuilding remains to proportion to that of the share capital, but it is at once obvious that the policy of working with a scanty capital to possible terms of their aluminium boats. With them they be eked out now and again by loans, for the obtainment of The method of working peculiar to this and kindred properties to elapse at the commencement of working before returns come in and the wherewithal to "carry on the war," as it is phrased, must be got from somewhere—preferentially from a reserve wrath against a class of colonial politicians whose envy of one or

remains that the present state of the company, as compared with its past, must be judged to be on a higher level of success altogether.

THE statutory meeting of the shareholders of the Big Blow Gold Mines was both enthusiastic and unanimous. The speeches of Captain McTaggart and Mr. Webb were punctuated with appreciatory demonstrations, and the unmistakable delight manifested by the shareholders was certainly indicative of the sentiment—"Here, at last, is a good thing." One emotional proprietor was so anxious to gather in the precious metal that seems to be lying about in the neighbourhood that he eagerly exhorted the board to send over more stamps, and so commence operations upon an imposing scale. Captain McTaggart gently deprecated this somewhat precipitate proposal, but there was reflected in his speech a calm confidence in the prospects of the property very convincing in itself. Citing testimony of men well known in the colony, with solid reputations to lose, he asked of the shareholders, and of the public, the justice of a calm, dispassionate judgment of them upon their merits, and frankly avowed that he had turned from scepticisim and unbelief. We shall watch the future of this company with great interest. The concurrence of testimony as to the value of the property, the large assurance which has been awakened in the minds of the shareholders, and the enthusiasm of the directors, alike prophecy well for the future.

THE Board of Trade returns for the month of January show a decrease of $2\frac{1}{3}$ per cent, as regards the value of the imports into the United Kingdom, and an increase of about 1 per cent. in the exports. The imports are returned at the estimated value of £36,753,068, and as against £38,458,613 for January, 1894, and present a net increase of £1,705,545. Metals and chemicals show decreases of £122,771 and £162,459 respectively, on total returns of £1,604,199 and £609,583. The exports for the month show an increase of £72,356, on a total declared value of £18,224,236 Machinery and mill work exhibit an increase of £153,898, and manufactured, or partly manufactured, articles £152,082. Decreases are shown in metals and their manufactures £44,217, and chemicals £57,352. There is a slight increase in the quantity of iron and steel exports, but, at the same time, a decrease in value the returns for the month showing an output of 166,711 tons' against 161,804 in January, 1894, which, however, only realised £1,351,086, against £1,406,963; an increase in quantity of 3 per cent., with a fall of 31 per cent. in value. There is a rise in value of 26 per cent. in exported pig and puddled iron, 22 per cent. in wire, 87 per cent. in telegraph wire, 22 per cent. in cast and wrought iron, 2 per cent. in old iron, and 1 per cent. in unwrought tin. On the other hand a fall of 26 per cent. may be observed in bar, angle, &c., iron, 7 per cent. in railroad material, 46 per cent. in hoops and sheets, 21 per cent. in unwrought steel, 18 per cent. in galvanised sheets, and 12 per cent, in tin-plates. The copper and brass returns show on the average a slight improvement, very unequally distributed While the value of unwrought copper exported is 71 per cent. and wrought copper 5 per cent., there is a decrease of 31 per cent. in brass, and 28 per cent. in mixed metal sheathing Machinery rose in export value 22 per cent.; alkali decreased 17 per cent.; steam engines, 8 per cent.; and salt, 13 per cent The re-exports of foreign and colonial merchandise show a decrease of £450,385 on a total of £3,817,258.

"SMILER," an optimistic West Australian journalist, who has made the mining industry his especial province, transcends his ordinary facial expression, and pardonably relapses into a triumphant laugh over the merits of "the wonderful Quondong Mine," newly discovered, whose richness is said to entitle it to the name of "Twin to the Londonderry." As to locality, "the property lies about 60 miles north of Kurnalpie, or so, they describe it, but, to my mind, it is nearer 80 than 60 miles; it is about 6 miles south of Bilgaugie," and for appearance " there is but little upon the surface to indicate that a great gold mine is below ground." Superficials are here, as elsewhere, deceptive, for peering into a hole, our colonial confrère saw gold "fit to dazzle a man's eyes, and that, too, in a class of stone that almost any man would pass a thousand times when out prospecting." This, in one sense, is not pleasant reading, for it suggests a legion of neglected opportunities in the past. As to the eft-debated question of richness in depth, "at 15 feet the gold is good, and at 20 feet it is found in places in regular junks, one piece broken out by the gad going about 3 ounces." question evidently arising from these remarks is-What will the gold be like at 100 feet?

A Sourh African philanthropist, with an introspective mind. has been foretelling the downfall of Matabeleland. Undeterred by the exemplary punishment meted out by the great Italian poet to prophets, he has amassed together a set of the gloomiest prognostications concerning climate, and anybody proposing to go into the country after perusing the copy of that justlyrespected organ, the Colesberg Advertiser, which contains his warning, would certainly seem to be tamely adopting a policy of suicide. There is no pretence, however, of denying that, atmospheric conditions apart, Matabeleland offers exceptional commercial advantages—of a wilder sort—to the young and energetic man who forbears kid gloves. Cattleranching, for instance, though scarcely suited to the idiosyncracies of the petit maitre, may be profitably pursued by young England. Climates, however bad, have rarely yet been allowed to constitute an insuperable bar to the proper development of a country's resources, and Matabeleland will hardly be allowed to form an exception to this undeniable rule. We sincerely hope in fact, that Mr. Coetsee will not be too seriously indisposed before the "general smash-up" prophesied by him occurs, in which case there is little doubt that he will ripen into a green old age.

water perishes the metal, and that in a few months the boats fund. These, however, are minor questions, and the broad fact two phenomenally successful mines takes the 'practical form of a

proposal for legislation of a more or less repressive character. According to these enlightened patriots, the digger fulfils his destiny by arranging the gold in an attractive heap, and so awaiting the arrival and selection of the Government Inspector. Forgetting to balance against the glittering pile of mineral occa sionally brought to the surface, the hardships, daugers, and toils inseparable from the miner's career, they are apt to fix upon the class fortunes which fall only occasionally to indi-vidual members of it, and to waste their ill-humour upon a hard - working, and certainly not over-remunesection of the industrial community. One of the colonial journalists is forced into sarcasm, and playfully suggests that the Government should do the thing properly and take all the gold. After proposals like the one under review, it is the fact that to be let alone seems the best that the representatives of the mining industry can ask of their departmental super visors, and this measure of freedom, it is to be hoped, they will cure. There is an old fable about a goose and the golden egg which might usefully be impressed upon the legislative mind.

THE MINING MARKET.

FRIDAY EVENING.

dull week .- Shares quiet after the carry-over. West Australians fairly active. - A steady close.

BUSINESS this week has been quiet in the Mining Market, while there has been an undercurrent of strength distinctly perceptible. A moderately active, but distinctly firmer, tone set in on Monday. This return to more favourable conditions is a fulfilment of the prophecy made during the account, that after the shaking-out of the weaker speculators, a perceptible improvement would undoubtedly take place. Recoveries among the higher-priced shares were numerous. Diamond shares, unlike the Land group, which were dull, were in a buoyant mood, and the prevailing vigour of tone thoroughly permeated the West Australian market. No change worthy of note occurred throughout Tuesday. Dealings were conducted on the same moderate scale, and a comparison of rises and falls West Australian market. No change worthy of note occurred throughout Tuesday. Dealings were conducted on the same moderate scale, and a comparison of rises and falls was wholly in favour of the former. Wherever in the South African Market the smallest disposition to buy asserted itself—which was the case in the considerable number of cases—prices evidently hardened. Diamond shares lost nothing of the prices which were put upon them on the preceding day, but went no higher. As on Monday, the miscellaneous shares suffered to some extent from neglect, and remained dull. Isolated incidents of improvement occurred, but the improvement did not become at all general. Dulness unteresting the suffered to some at all general. the improvement did not become at all general. Dulness unmitigated fell upon the markets throughout Wednesday. Busimitigated fell upon the markets throughout Wednesday. Business was restricted, and prices consequently fell considerably. Anticipations of a future sharp recovery widely obtained, but, in the meanwhile, there was no doubt that for the present a certain depression was ruling. In the West Australian market there was a continuance of the activity which has been prevailing there for some time past. The contrast between this section and the nervous weakness displayed among West Australians was as marked as ever. The forthcoming settlement, exercising a deterrent effect upon buyers, did much to deepen the dulness overspreading the South African market on Thursday. The direct result of this was a downward tendency, although the innate strength of the market quite prevented any great losses. One or two shares strengthened on favourable reports from the other side. West Australians and favourable reports from the other side. West Australians and Miscellaneous shares were affected by the prevailing dulness, and were very inactive. A spell of activity is expected to follow the next settlement.

British Mines.

The British market has been steady during the week, but prices have not changed much. The falls have more than counterbalanced the rises. Dolcoath, East Pool, Tincroft, and West Kitty have been mostly dealt in. The only rises of the week have

taken place in Cook's Kitchen and Polberro.

Risen:—Cook's Kitchen, 15s.; Polberro, 2s. 6d.—Fallen:—
Dolcoath, £5; South Condurrow, 2s. 6d.; Tincroft, 5s.; Wheal

Grenville's, 10s.

South African Shares.

Signs of returning strength were perceptible everywhere in the South African market on Monday. Business was moderate in volume, and undeniably satisfactory in character. Simmers gained $\frac{1}{2}$, and were again quoted at £12; while Rand Mines were $\frac{1}{2}$ better at $21\frac{1}{2}$. A good deal of business was done in Glencairns at $3\frac{3}{4}$, and in Primroses at $5\frac{1}{16}$. Langlaagte Royal closed at $4\frac{1}{16}$ and the Estates were a trifle better at $4\frac{3}{6}$. Durbans were at 47_6 and the Estates were a trile better at 43_6 . Dirroans were good in tone at $6\frac{11}{15}$, while Stanhope were 7_6 up at 27_6 . Robinsons hardened to 77_6 . Crowns rose $\frac{1}{8}$ to 97_6 . Champ d'Or and Champ d'Or Deep were both better. Henry Nourse were rather better at 57_6 ; while there were rises of 7_6 in George Gooh, Gold Fields Deep, Heriot, Orion, Rietfontein, Salisbury, Transvaal Gold, United Langlaagte, and Van Ryn. Against these improvements there were recessions in Afrikander, and Kimberley Readenest. Lead above were feet be next, we tall (Bestere) ments there were recessions in Afrikander, and Kimberley Roodepoort. Land shares were for the most part dull, Chartered closing at 43s., but Diamonds were better. South African shares continued firm on Tuesday. Cities were largely enquired for, and rose \(\frac{1}{2}\) to 16\(\frac{1}{2}\). Henry Nourse were up to 5\(\frac{1}{2}\). Rand Mines rose \(\frac{1}{2}\) to 21\(\frac{1}{2}\), while Crowne improved \(\frac{1}{2}\) to 9\(\frac{1}{2}\). Salisburys, Wemmers, and Worcesters were bought, and c'osed \(\frac{1}{2}\)'s better. Geldenhuis Deep hardened to 6\(\frac{3}{2}\), and Gold Field Deep were a trifle better. Modders again receded \(\frac{1}{2}\) to 8\(\frac{3}{2}\). Meyer and Charlton were \(\frac{1}{2}\) lower at 6\(\frac{3}{2}\), and Rietfontein, Stanhope, United Langlaagte, Randfontein, Langlaagte Estate, George Goch, Jumpers, and Eastleigh were a little bit easier. Chartered were weaker, and closed at 42s. 9d., and among Diamonds De Beers were buoyant at 19\(\frac{3}{2}\), while Jagers closed at 18. The South African market was distinctly inclined to dulness on Wednesday. In the gold section there were small improvements in Wemmer, Princess, Van Ryn, Wolhuter, Ginsberg, Parl Central, Abercorn and Umtoli, but a large number of downward movements were registered. Among the worst of these were a loss of \(\frac{1}{2}\) in Rand Mines \(\frac{1}{2}\) in Mende the worst of these were a loss of \(\frac{1}{2}\) in Rand Mines \(\frac{1}{2}\) in Mende the day in Simpers. East Rande lett fire stered. Among the worst of these were a loss of \(\frac{1}{2} \) in Rand es, \(\frac{2}{3} \) in Modders, and \(\frac{1}{2} \) in Simmers. East Rands kept firm. Primroses maintained a good tone at over \(\frac{1}{2} \)8. Declines of and Primroses maintained a good tone at over £6. Declines of about ½ or ½ were numerous, among them being Buffels, Consolidated Deep, Crowns, Crossus Deep, Eastleigh, Geldenhuis Estate, George Goch, Glencairn, Henry Nourse, Jumpers, Langlaagte Royal, Village, and Stanhope. In the Land section Oceanas receded to 2½, Pardy's fell back to £2, and there were small losses in Becks, Explorations, Frank Johnsons, Mozambiques, Klerksdorps, and Transvaal Development. Chartered hangeds good deal in price, and were finally sold at 42s. Among Diamond shares De Beers Iell to 19½, and Jagers to 17½. An increased dulness affected the Rand market on Thursday, owing to a great measure to the impending settlement on Monday next. Rand Mines and Simmers lost ½, leading the shrinking

movement. Losses of a or of were the rule. Among the shares which thus declined were Chimes, Clewer Estats, City and Suburban, Crossus, Crossus Deep, Ferreira, Goldenhuis Deep, Gold Fields Deep, Jubilee, Primrose, Orion, Van Ryn, and Buffels. In the less important shares Lisbons, North Shebas, African Alluvial, less important shares Lisbons, North Shebas, African Alluvial, and Gold Coast Development were enquired for, and a certain amount of business was done in them. Chartered were rather dull, and receded to 41s. 9.1. De Beers and Jagers remained motionless. Business has been very much restricted in the South African Market during to-day. There is, in fact, nothing to chronicle but a monotony of dulness.

Risen: Agnes, 1s. 3d.; Banket, 9d.; Barrett, 6d.; Champion Reef 3s. City and Suburban 10s.; Crown 5s. De Beers 5s.

Resef, 3s.; City and Suburban, 10s.; Crown, 5s.; De Beers, 5s.; East Rand, 1s.; Gold Fields Deep, 1s. 3d.; Henry Nourse, 2s. 6d.; Langlaagte, 2s. 6d.; Mashonaland Agency, 1s. 3d.; Modderfontein, 5s.; Nigel, 2s. 6d.; New Sheba, 9d.; Ottos, 3d.; United Roodepoort, 2s. 6d.; Wemmer, 12s. 6d.; Worcester, 2s. 6d.—Fallen: African Consolidated Land, 3d.; African Consession, 2s.; African Gold Recovery, 2s. 6d.; Alexandra, Estate. cession, 2s.; African Gold Recovery, 2s. 6d.; Alexandra Estate, 3d.; Aurora, 6d.; Balkis Eersteling, 1s.; Balkis Land, 6d.; Bantjes, 3s. 9d.; Bechuanaland, 6d.; Block B, 6d.; Booysen, 2s. 6d.; Bantjes, 3s. 9a.; Bechuanaland, 0d.; Block B, 6d.; Booysen, 2s. 0d.; Buffelsdoorn, 2s. 6d.; Chartered, 1s. 6d.; Clewer, 1s. 3d.; Coetzeestroom, 6d.; Consolidated Deep, 2s. 6d.; Consolidated Gold Fields, 5s.; Crœsus Deep, 5s.; Eastleigh, 3s. 9d.; Ferreira, 2s. 6d.; Frank Johnson, 1s. 6d.; Geldenhuis Deep, 2s. 6d.; Gel-2s. 6d.; Frank Johnson, 1s. 6d.; Geldenhuis Deep, 2s. 6d.; Geldenhuis Estate, 2s. 6d.; Geldenhuis Main, 6d.; Geldenhuis South, 1s.; George and May, 1s.; Glencairn, 2s. 6d.; Gordon, 6d.; Graskop, 3d.; Griqualand West, 2s. 6d.; Harmony, 6d.; Joe's Reef, 1s.; Johannesburg Investment, 1s. 3d.; Johannesburg Water, 1s. 6d.; Jubilee, 5s.; Kleinfontein, 1s. 3d.; Klerksdorp, 1s. 3d.; Langlaagte Royal, 2s. 6d.; Luipaards, 1s.; Massi Kessi, 6d.; Meyer and Charlton, 2s. 6d.; Mozambique, 1s. 3d.; New Chimes, 5s.; New Crœsus, 5s.; New Jagarstontein, 5s.; New Virginia, 1s. 3d.; Oceana Development, 3s. 9d.; Oceana Land, 2s. 6d.; Orion, 7s. 6d.; Pardy's, 8s. 9d.; Paarl, 1s.; Pigg's Peak, 6d.; Potchefstroom, 6d.; Randfontein, 6d.; Rand Mines, 5s.; Rietfontein, 2s. 6d.; Roodepoort Kimberley, 2s. 6d.; Sheba, 2s.; South African Exploration, 10s.; Silati, 6d.; South African Gold Trust, 2s. 6d.; South African Finance, 1s. 6d.; Spitzkop, 23.; South Arrean Exporation, 108.; Shat, 6d.; South Arrean Gold Trust, 2s. 6d.; South African Finance, 1s. 6d.; Spitzkop, 1s.; St. Augustine, 9d.; Stanhope, 2s. 6d.; Steyn, 2s. 6d.; Sutherland Reef, 6d.; Transvaal Estate, 6d.; Transvaal Land, 6d.; United Ivy, 1s. 3d.; United Langlaagte, 5s.; United Pioneer, 2s.; Van Ryo, 2s. 6d.; Village, 5s.; Witwatersrand (Knight's), 2s. 6d.; Zambesia, 2s. 6d.

Miscellaneous Shares.
At the re-opening on Monday, West Australians were generally active and firm. The features were Hampton Plains and Lands. In the former case the shares fell to 1½ on the meeting, but quickly recovered to 2, and closed 114 hard. Hampton Lands closed 316, and Gold Fields at 34. On the other hand Lady duckly recovered to 2, and closed 173 hard. Hambon Ends closed 3.2, and Gold Fields at 32. On the other hand Lady Mary were flat, as were Boulders; but Bayleys were strong at about 12s, 3d. Miscellaneous shares were dull, but improvements Mary were flat, as were Boulders; but Dayleys were strong at about 12s, 3d. Miscellaneous shares were dull, but improvements occurred in Poorman, Victory, Callao Bis and Mysore West. Wynaad, and Holcombs continued dull. Among higher-priced shares Mount Morgans, Brilliant Block, and Brilliant St. George hardened. Rio Tinto were suffering from a depression. Business in the Miscellaneous Department continued unflagging throughout Tuesday, improvements occurring in Associated Gold Mines, Great Boulder, and Lady Mary. There was little Gold Mines, Great Boulder, and Lady Mary. There was little stirring in the Miscellaneous Market, but some of the Charters Towers shares were better. West Australians were lively on Wednesday, the chief features being Londonderry, Associated Gold Mines, Gold Estates, Bayley's, and Big Blow. Associated Gold Mines were busy, and closed at par. Big Blow were in request after the meeting. Among Miscellaneous shares, British Broken Hill were 91. down at 5s., and Tolima B were sold at 6\frac{1}{4}, or \frac{3}{4} down. Kapanga lost 6d. to 5s. 9d. Argentine Concessions were 1s. off at 3s. 6d., and Balaghat, Burma Ruby, Macate, Palmareia, Lux Hawk, and Kaboover, were all offered. Champion were 1s. off at 3s. 6d., and Balaghat, Burma Ruby, Macate, Palmarejo, Jay Hawk, and Kaboonga were all offered. Champion Reef were $\frac{1}{12}$ down at $4\frac{1}{12}$. Rio Tinto fell $\frac{3}{12}$ to $13\frac{1}{12}$. Among West Australian shares, which were generally dull on Thursday, Kinsella were firm at $\frac{1}{13}$, Gold Estates eased off to $\frac{1}{2}$ prem., and Mallina fell to 20s.; but Big Blow were freely bought at $\frac{3}{12}$ dis. Hampton Plains relapsed to $1\frac{3}{2}$, and Coolgardie Syndicate were sizer at 6s. 9d. In the Miscellaneous market there was little or nothing doing. Dulness unqualified has reigned in all departments of the Miscellaneous Market to-day, and beyond the bare fact there is nothing to be said. Risen:—Brilliant Block, 3s. 9d.; Brilliant St. George, 1s. 3d.

Risen:—Brilliant Block, 3s. 9d.; Brilliant St. George. 1s. 3d.; Burma Ruby, 2s.; Callao Bis, 6d.; Champion Reef, 2s. 6d.; Day Dawn, 6d.; Day Dawn, P.C., 6d.; Golden Levi, 1s.; Kapanga, 3d.; Mount Morgan, 1s. 3d.; Poorman, 9d.; Rio Tinto, 1s. 3d.; Tharsis, 12s. 6d.; Victory, 6d. Fallen:—Aladdins, 2s. 6d.; Argentine Concessions, 1s.; Australasian, 6l.; Balaghat, 3d.; Bonnie Dundee, 6d.; Brilliant, 6d.; Broken Hill Proprietary, 6s. 3d.; Carrington, 6d.; Colon, 3d.; Copiapo, 1s. 3d.; Cumberland, 9d.; Dickens Custor, 3d.; Esglehawk, 3d.; Golden Gate, 1s.; Gravel, 6d.; Kaboonga, 6d.; La Plata, 3d.; Macate, 9d.; Mysore Reefs, 3l.; Now Queen, 3d.; Ooregum, 2s. 6l.; Ooregum pref., 1s. 3d.; Palmarejo, 3d.; Springdale, 3d.; Thistle, 3d.; Tolima A, 25s.; Tolima B, 25s.; Waihi, 2s. 6d.; Wentworth Priority, 1s.; Wentworth Priority Ordinary, 6d.; West Argentine, 3d.

Australian.

Risen: Great Boulder, 64.; Hampton Land, 3s. 9d.; Kinsella, 1s. 3d.; Zapopan, 3d.—Fallen: Abbotts, 1s. 3d.; Bavlev's, 1s. Golconda, 1s. 3d.; Londonderry, 1s. 3d.; London and Western' Australian, 5s.; Mawsons, 1s. 3d.; West Australian Mining, 6d.; White Feather, 1s. 3d.

STOCK EXCHANGE SETTLING DAYS. Settling Days on the Stock Exchange are as follow: CONSOLS, Friday, March 1, 1895. STOCKS AND SHARES.
Ticket Dave. Acc
Wednesday, Feb. 13 Thur
Wednesday, Feb. 27 Thur

Account Days. Thursday, Feb. 14 Thursday, Feb. 28

MCCULLOCH COOLGARDIE GOLD MINES (LIMITED) .- Sir Alexander Armstrong presided over the statutory general meeting of this company held on Thursday, at Winchester House, Old Broad street, E.C.—The Chairman said that the directors went to allotment on October 13, and the property was tan-ferred on December 3. When that was completed the board set about order-ing the necessary plant and machinery, part of which would be shipped at an early date, and the remainder would follow. They had been fortunate in securing a valuable water site, which would enable them not only to work their own mine, but to supply other enable them not only to work their own mine, but to supply other mines. The company had joined an ore reduction syndicate with three other companies, and this syndicate proposed shortly to erect a battery with 40 stamps. By joining the syndicate he believed the company would not only reduce its expenditure, but would make some profits.—Mr. Hogg stated that the reef the company possessed was not what was known as a specimen reef, but they had about 3000 feet or 4000 feet of reef which would return them handsome dividends. They had sunk a shaft in reveral places at 120 feet, and dividends. They had sunk a shaft in several places at 120 feet, and in all the shafts they had struck water. He believed that after liberally llowing for a l expenses of raising the ore, there should be a profi

Tax first batch of letters of allotment and regret in the MAINLAND CONSOLS (LIMITED) have been posted. The issue having been so largely over-subscribed it was impossible to complete the allotment on Saturday.

CABLEGRAMS AND TELEGRAMS.

LASKA TREADWELL.-Cablegram from Alaska an-A nounces the January clean up as follows:—Shipment of bullion \$55,695; tons of ore milled, 20,491; tons of sulphurets treated, 377; of bullion there came from sulphurets, Estimated gross expenses for the period have not yet

AMANA (Wentworth).—The following cablegram has been received from the mine:—"Since we telegraphed there has been no change worth reporting. The erection of the mill is nearly completed."

AGNES BLOCK.—The manager reports that the dynamo motor has been connected with the Moodie's electrical installation, and that crushing is expected to begin on the 12th inst.

BRILLIANT CENTRAL.—Messrs, Burkitt, Munro, and Co., 16, Cornbill, E.C., have received the following cablegram, dated Charters Towers, 6th instant:—"Brilliant Central crushed 293

tons for 505 ounces."

BAYLEY'S No. 1 SOUTH.—Messrs. W. H. Barker and Co., of 8, Finch Lane, E.C., have received the following cablegram from their Perth branch:—"An excellent return; 240 tons for 548 ounces."—Telegram, dated December 25, from the mine:— We have struck very rich coarse gold in the stopes No. 1 South Gorrie's) above the 100 feet level south of main shaft." BAYLEY'S REWARD CLAIM.—Week's run: 188 ounces,

BALAGHAT-MYSORE.—Return for January: 220 tons of

quartz produced 95 ounces of gold.

BONNIE DUNDEE.—The following cablegram has been received from Charters Towers:—"We shall proceed to open out on the Victory Reef, recently intersected in the new shaft, during the present week."

during the present week."

BRILLIANT AND ST. GEORGE UNITED.—The following

BRILLIANT AND ST. GEORGE UNITED.—The following cablegram has been received by Mr. John McDonald:—"610 tons 645 ounces. Dividend of 6d, per share declared, payable 8th February. The mine is looking well in the lower workings." BRILLIANT P.C.—The following cablegram has been received by Mr. John McDonald:—"2050 tons 2300 ounces. Dividend 4d, per share. After paying this dividend a balance will be carried forward of £4300, irrespective of reserve."

BROKEN HILL PROPRIETARY.—With reference to the return for the week ended 1st inst. the gompany reports that a

return for the week ended 1st inst., the company reports that a cablegram has been received from the head office stating that "it it probable that low returns will continue for the next few woels in consequence of some alterations in certain of the open-cut works, but the usual yield will be reverted to later."

CENTRAL CHILI COPPER.—The manager writes:—"The output of ore from the Panulcillo Mine for November and December was 2142 tons. Production increasing; smelting will commence immediately on arrival of the fuel; prospects formulable."

CHAMP D'OR DEEP LEVEL .- The total output for the past month was 1415.7 ounces, being 982.9 ounces from mill and

CHAMPION REEF .- Last month's return: 3900 tons of quartz produced 5346 ounces; 980 tons of tailings produced 289 ounces; total production for the month, 5635 ounces of

CROWN REEF.-Copy cablegram received from Johannesburg:—"Results for January, Yield in smelted gold from 120 stamp mill 6505 ounces. Yield in smelted gold from 120 stamp, cyanide works treating tailings and concentrates, produced by the mill 2960 ounces. Yield in smelted gold from old cyanide works treating accumulated stock of tailings and slimes 795 ounces. Total, 10,260 ounces."

CITY AND SUBURBAN.—Last month's crushing 10,219

ounces, against 10,484 ounces for December.

CUMBERLAND.—The following cablegram has been received:

—"No. 5 level north is driven 420 feet. The ore occurs in small bunches. No. 4 level north is driven 180 feet. I shall hope to commence to stope not later than this week. Shall proceed to open up leve! No. 2—the ore has assayed 4 ounces 14 dwts. per -9 inches

on—9 inches."

DE LAMAR.—The following is cabled for the month of January: -Crushed during the month, 4078 tons; bullion produced in the mill, \$72,166; estimated value of shipping ore, \$7500; miscellaneous revenue, \$300; total produce, \$80,466; total expenses, \$40.070; estimated profit for the month, \$40,396; or at \$4.90 to £ sterling, £8244.

DON PEDRO.—Return for the month of January 2550 oits.,

EASTLEIGH MINES.—The directors have received the following cablegram from Pretoria:—"40 stamp mill, 20 days, crushed 2088 ounces gold."

ELKHORN.—Bullion produced in the mill for the week ended February 3, 6900 ounces. Partly shut down for repairs

to roasting furnace.

EL CALLAO. - Messrs. Baring Brothers and Co. (Limited), have received the following telegram from El Callao Mining Company:—"326-350 ounces of gold produced by El Callao Mine for past month, and 970-1000 ounces by the Colombia Mine

EMERALD REWARD.-A telegram has been received as follows—"Boiler collapsed; battery idle in consequence, until arrival of new one, which has been ordered. It is proposed in the meantime to proceed with the underground developments."

GINSBERG.—Result of January crushing 1083 tons crushed,

GELDENHUIS MAIN REEF .- Result of January crushing : GELDENHUIS MAIN REEF.—Result of January crushing:
Mill crushed 3214 tons, yielding 1243 ounces; treated by cyanide
2130 tons, yielding 569 ounces; total, 1812 onness. Profit for
the month. £2055. The December yield was 1718 ounces.
GLENCAIRN MAIN REEF.—The London agent aunounce

GLENCAIRN MAIN REEF.—The London agent announce receipt of the following cable:—Production for January, 3190 ounces from 8238 tons; battery, 1223 ounces from 4320 tons eyanide; profit, £6025; 70 stamps running 29 days. It has taken a large amount of gold setting new plates. There is a deficiency in gold from tailings in consequence of return of part of plant to Knight's Tribute. Our new plant will start in a few days.

GOLCONDA.—The following cablegram has been received from the manager at the mines:—We have driven during the past month 71 feet. Sunk in the country rock 22 feet 6 inches There is no change to report at this point. The battery and winding engine will be erected complete during the next fort-

night.
GOLD FIELDS OF MASHONALAND.—Cotopaxi Mine. The following cablegram has been received from Victoria, Mashonaland announcing the result of the last month's crushing at the above mine:—"During the month mill worked 19 days crushed 520 tons, yielded 288 ounces of gold."
GRASKOP.—The following cablegram has been received from our manager at Graskop:—"421 tons 51 ounces."
HARQUAHALA.—The following is the cabled estimated remaining the following capture of the council of the capture of the captur

turn for the month of January:—Mill worked, 29 days; crushed during the month, 2798 tons; estimated gross value of gold pre-

duced, \$15,800; miscellaneous revenue, \$500; total revenue, \$16,300; estimated total expenses, \$15,400; estimated profit for the month, \$900 (at \$4.90 to £ sterling, £183.) Mr. Raymond adds:—The development shows some improvement. Mill returns will improve. Prospects are encouraging.

HAURAKI.—The directors have received the following telegram from the manager, viz.: Since last message we have crushed 40 tous of ore yielding 1250 ounces of gold. The profit for the month will be about £3100. Lode opening up well. The future prespects of the mina are good.

The future prospects of the mine are good.

HENRY NOURSE.—30 days working 2261 tons produced 1624 ounces; cyanide, 1600 tons produced 633 ounces; total,

257 ounces.

JUBILEE.—Last month's crushing of 3352 tons yielded 1629 unces of gold, and tailings 466 ounces. The December yield was

KAPANGA.—The directors have received the following telegram from the manager, viz.:—The 800 feet crosscut has been driven 21 feet. The diamond drill for deep boring is in

KOFFYFONTEIN.—A cablegram from the mine states that 2750 carats were recovered for the month of January, and that

the second gear has started satisfactorily.

LADY LOCH,—The manager cables:—" Have struck water in the main shaft at 111 feet.

MARBELLA IRON ORE.—The output of ore for January is 1283 tons. The decrease is owing to a temporary stoppage of mines by authorities in consequence of an accident.

MATABELELAND ADVENTURERS.—The directors have

MATABELELAND ADVENTURERS.—The directors have received the following cablegram from their manager at Buluwayo:—"Struck a very rich body of ore, 50 feet level; in width 4 feet. Assay average, per ton of 2240 lbs., 6 ounces; Adventurers Reef, Unchingwe district."

MAY CONSOLIDATED.—The following cable message, dated Johannesburg, 2nd February, has been received at this office:—"The yield of gold during the past month (January) was 2334 ounces from 6520 tons crushed. Mill running 30 days. Also cyanide 1250 ounces from 5320 tons.

MILL'S DAY DAWN UNITED.—The directors have received the following cablegram from Charters Towers:—"Have-

ceived the following cablegram from Charters Towers:—"Have crushed during the fortnight, ending 2nd inst., 1689 tons of quartz for a yield of 2091 ounces of gold. The approximate value of this return is £7210.

value of this return is £7210.

MONTANA.—By cablegram from the mine the directors are informed that the total output for January was 6470 tons of ore which contained gold, 2620 ounces; and silver, 29,590 ounces. The estimated realisable value of the same is \$68,300.

MYSORE GOLD.—The directors have received a telegram from the mines, giving the return of gold for the month of January, as follows:—"5470 tons of quartz produced 4277 ounces. 4385 tons of tailings produced 745 ounces. 1100 tons of tailings treated by cyanide process produced 169 ounces. Total production for the month, 5191 ounces of gold."

MESQUITAL DEL ORO.—The following cablegram, giving the results of the January mill-run, has been received from the soine:—"50 stamps ran 620 hours (25 days 20 hours); quantity of ore crushed 2904 tons; bullion produced at clean-up 789 ounces; value about £2800. Have also remitted copper bar, value about £30."

value about £30.'

MYSORE REEFS (Kangundy).—Result for the past month

MYSORE REEFS (Kangundy).—Result for the past month: 60 tons of quartz yielded 68 ounces of retorted gold.

NEW CLEWER ESTATE.—Results for January: From mill working 25 days: Crushed 1747 tons, yielding 653 ounces of gold. From cyanide works: Treated 1610 tons, yielding 1120 ounces of gold. Total yield, 1773 ounces of gold; total value, £4592; estimated profit for the month, £1700. The labour is

NEW ST. AUGUSTINE.—A cablegram from the mine, dated February 6, states:—"2300 loads yielded 75 carats, two-thirds

NEW RIETFONTEIN ESTATE.—The Johannesburg secre

tary cables:—"Owing to doubt at present existing, notify we have struck reef at a depth of 700 feet; regular formation."

NERBUDDA COAL AND IRON.—The sales of coal for the month of December, are 1303 tons.

NEW CHIMES.—Last month's crushings yielded 2657 ounces of gold, against 2637 ounces for December.

of gold, against 2637 ounces for December.

NEW JAGERSFONTEIN.—Results for January: Diamonds,

estimated at £34,000; expenses, £18,250; decrease of blue; 10,000 loads, £750—£19,000; estimated profit, £15,000.

NEW KLEINFONTEIN.—The result of crushing from the mills is 1780 ounces; by treatment of tailings 932 ounces; tonnage developed 5590 tons. New stamps commenced working on 1st February.

NEW QUEEN.—Result of crushing for past fortnight:
No. 1 formation, 255 tons, yielding 345 ounces of gold.
NIGEL.—Last month's crushing yielded: Battery, 2184 ounces;
cyanide, 1957 ounces; total 3841 ounces, against 4270 ounces for December

NINE REEFS .- Last month's return: 260 tons milled

NINE REEFS.—Last month's return: 200 tons milled yielded 147 ounces gold (80 tons quartz).

NORTH SHEBA.—Cablegram from the manager at the mines:—"Have formed a very high opinion of the North Sheba. The width of the reef is 7 feet; working day and night; pannings give excellent results; shall commence crushing ore at the end of the month. The delay in crushing has been caused by native fabour being scarce."

NUNDYDROOG.—Return for January: 2700 tons of quartz produced 3036 ounces of gold; 670 tons of tailings produced 107 ounces of gold; total production for the month 3143 ounces

of gold.
OOREGUM.—Last month's return: 4072 tons of quartz produced 4353 ounces; 4668 tons of tailings produced 1008 ounces

duced 4353 ounces; 4668 tons of failings produced 1008 ounces; total production for the month 5361 ounces.

ORION GOLD.—Details of working for December: Stamps working, 40; number of days mill ran, 26; yield from plates, 1521-20 ounces of gold; tailings treated by cyanide, 2376 tons; dividend declared 10 per cent. Holders of colonial scrip of the company can now have same exchanged at the London office, 8, Old Jewry, E.C., for new share certificates.

PAHANG CORPORATION.—The output of black tin for November last, weighing net picula 767-22 (45 2-3rds tons), has been sold in Singapore, realising \$17,174-68.

November last, weighing not picule 767-22 (45 2-3rds tons), has been sold in Singapore, realising \$17,174-68.

SOUTHERN GELDENHUIS—The secretary reports to the sharsholders:—" The cable from the mine manager sent you on the last instant should have read as follows:—' Working rich quartz I expect results will be very satisfactory, there are leaders showing 4 ounces to the ton,' instead of 'Working rich quartz I expect results will be very satisfactory, will know next Monday. Neighbouring mine showing 4 ounces per ton.' The mist ke arose in consequence of the misinterpretation of a code word."

SHEBA.—The directors have received the following cable-gram from the general manager for the month of January:—"2230 tons (2000 lbs.) of ore crushed, yield 1766 ounces; 2150 tons (2000 lbs.) of ore crushed; yield 538 ounces; 6100 tons (2000 lbs.) of tailings treated, yield 2055 ounces; 60 tons (2000 lbs.) concentrates (assay value) 278 ounces; total, 4637 ounces."

TOLIMA.—The following cablegram has been received from the mines:—"Estimated returns for January, £4000; estimated profit for January, £700; 120 tons. Revolution broken out."

In this return silver is valued at 27d. per ounce.

TRANSVAAL GOLD EXPLORATION AND LAND .-The general manager calles:—"Ore mined, 2800 tons; are treated, 2350 tons; yielding 1875 ounces; tallings treated, 375 tons, yielding 775 ounces; total, 2650 ounces; estimated value of ballico, 26000." An office note states:—Kameel's cyanide works not yet in operation

UNITED IVY REEF.—During last month crushed 220 tons, which yielded 156 ounces. It is stated that low grade ore is

w being crushed.

VAN RYN.—Result of 28 days working Van Ryn with 50

Van RYN.—Result of 28 days working Van Ryn with 50

From 4200 tons 2230 ounces. From 6400 tons 775

ounces. stamps. From 4200 tons 2230 ounces. From 6400 tons 775 ounces (from cyanide works). Total yield for month 3005 ounces

ounces (from cyanide works). Total yield for month 3005 ounces. WARATAH GOLD MINES.—The following cablegram has been received from this company's manager at Croydon, Queensland.—Croydon, 6th February:—"Have struck rich ore in sink, estimated to produce 6 ounces of gold per ton."

WOLHUTER.—3655 tons produced 1830 ounces; tailings produced 895 ources; total, 2725 ounces.

WEMMER.—5000 tons crushed in January, yielding 3483 ounces of gold; 40 stamps working 29 days; and from cyanide plant 4375 tons treated, yielding 1297 ounces of gold. The December total was 4966 ounces.

ne December total was 4966 ounces. YERRAKONDA.—Result for the past month: 70 tons quartz

yielded 32 ounces of retorted gold.

MINING IN CORNWALL

AND DEVON: NOTES ON MINING IN THE WEST.

(BY OUR SPECIAL CORRESPONDENT). HE chief topic of the week among those interested in mining has been the unfortunate flooding of Wheal Basset and the consequent temporary stoppage of operations. Most people have known that the great quantity of water to be dealt with at Wheal Basset has been a serious anxiety to the executive for several seasons, and something approaching the present crisis several seasons, and something approaching the present crisis has been anticipated for a long time. The mine is in a most unfortunate position. It is surrounded practically by abundanced setts, most of them full to adit with water, but the eastern water has been so dealt with as not to prove a serious factor. The chief difficulty seems to be the influx of water from the abandoned North Frances Mine, which makes its way through South Frances into Basset. There has been much negotiation between the committees of the two mines, and some time ago South Frances' executive undertook to keep Thomas's engine at work and keep mittees of the two mines, and some time ago South Frances executive undertook to keep Thomas's engine at work and keep the water at the 160. This, it is asserted, has not been done, the water having risen to the 140 in South Frances, and, as a result, the neighbouring mine has had to contend with a considerably increased quantity, and the machinery has been taxed to its utmost capacity. South Frances has retaliated with the plea that Thomas's engine is being worked as fast as it is possible that Thomas's engine is being worked as fast as it is possible for it to go. Basset engine has been working at the very high speed of from 9 to 10 strokes per minute, and, in addition to this, a water-skip has been in use drawing water through the shaft, at some times bringing up 40 skips an hour. Towards the end of last week the water became quicker, and on Sunday night the skip gave way and went to the bottom of the shaft. Since then the water has been slowly gaining, notwithstanding the fact that the engine has been kept working at top speed. The result of the breakers has been that the smoloves with the agrantion of the water has been slowly gaining, notwithstanding the fact that the engine has been kept working at top speed. The result of the breakage has been that the employees, with the exception of a few shaftmen, have had, and continue to have, an enforced holiday. At the present moment there is no work being done at Wheal Basset, and pending a joint meeting of the committee of the two mines which has been arranged for Monday, it is impossible to the two mines which has been arranged for Monday, it is impossible to the state of the two mines where here is the state of the two mines where here is the state of the two mines are the state of the two mines where here is the state of possible to say how long it will be before the men will be able to resume. It is to be hoped that the matter will be considered in a broad, comprehensive manner, as one affecting the whole neighbourhood, and that if by an extra effort South Frances can render substantial assistance with the machinery at its disposal no obstacle will be put in the way. The most reasonable solution of the difficulty seems to be that suggested in this column several weeks ago—an amalgamation of the two mines. This, however, is a matter for further discussion, and the main consideration for the moment is the settlement of the differences of opinion as to the capabilities of Thomas's engine,

and the possibility of getting the water out of the bottom of Basset, so that the men may get to their work again. LAST week we referred to a water difficulty that had arisen at Botallack, but this does not seem to be so serious as was at first thought, and will not interfere greatly with operations during the existence of the present company. The influx of water, it is very satisfactory to learn, did not arise from any holeing into abandoned workings, but from the collapse of a dam, which had been put in a few months since, to keep the water from the Nineveh part out of Wheal Cock. Another substantial dam has now hear put in. Mr. Arthur James appears to be very indignow been put in. Mr. Arthur James appears to be very indig-nant at the suggestion of holeing into abandoned workings, but the inconvenience and annoyance caused by the circulation of unveracious statements of this kind would be obviated if Mr. James followed the example of Captain Josiah Thomas, and most of the other agents in the Camborne district, in sending to the newspapers an official report of unusual occurrence

The distress in Cornwall in consequence of the curtailment of operations at most of the mines has become acute, and steps operations at mosts of the mines has become soute, and steps are to be taken to immediately relieve it in some measure. There is, fortunately, a sum approaching £3000 in hand, the balance of the big County Miners' Relief Fund formed during the last great depression in 1878—9, and it has been decided to administer this at once. At that time a large sum of money was spent in public works, notably the making of the Clinton-road at Redruth, and it is probable that the money will now be applied. Redruth, and it is probable that the money will now be applied to some similar purpose, so as to serve a double purpose of find-ing employment for a large number of men, and of leaving some public improvement as its result.

AMERICAN COPPER PRODUCTION IN 1894 —An American mining authority estimates the copper production of the United States and osher countries as having been between 9 and 10 per cent. greater to 1804 the in 1802 the American culput being given as 156 886 in 1894 than in 1893, the American output being given as 159,686 tons in 1894, compared with 143,965 the previous year. Nearly all of this increase was in Montans, the Lake Superior mines showing practically no change. The year showed a slight decrease in exports from the United States, but less than half as great as the estimated increase in foreign production. The returns indicate that American and other consumption has more than kept pace with the increased product of the mines, and that the new year opened with decreased stocks, and a prospect of increased consumption at home and abroad, without indications of considerable increase in output.

PRINCE OF WALES (East Cornwall Tin Mining Syndicate, Limited).—S. Roberts, Feb. 5: The character of the ground in the 193 cressout is in every way unchanged. It is still hard and spare for driving. Everything is being done to push on as fast as possible. Captain Pyne has been down every day since restarting the crossout, which has been down about 6 feet. In the 180 the men have driven through the first part of the slide, which altogether is 3 feet thick. The ground is of a short, ohippy nature which shows that there is more abead. PRINCE OF WALES (East Cornwall Tin Mining Syndic

THE METAL MARKETS.

LONDON METAL MARKET.

THE METAL MARKET, LONDON, FEBRUARY 8.

Copper.

THERE was a fair turnover of warrants on the London Exchange. HERE was a fair turnover of warrants on the London Exchanges and the speculative market has maintained a very steady level, closing at the same point as last week – viz.: £40 1s. 3d. s.c., £40 8s. 9J. three months sellers. A very large order for best select has just been placed, making this article rather scarce. American advices continue steady, and what is offered from that quarter is at prices slightly beyond our marker, as English smelters have not been quite so firm. Manufactured copper is in very slow demand. Strong sheets quoted £51, India sheets £47 10s., yellow metal 4½ to 4 3-16. Tin.

Opening dull at £60 5s for cash and forward, prices gave way to £59 17s. 6d., but firmed up again to £60 7s. 6d. on Wednesday. Four-day's market opened steady at £60 10s. for cash, but declined £60 5s., while to-day £59 17s. 6), was taken for forward and 60 for spot. There has been quite an average business done in he speculative article.

Pig Iron.

The Scotch shipments last week were 5078 tons, an increase of \$45 tons over same period last year. The Gla-gow market opened teady at the lower level, and at about 1\frac{1}{2}\darkal{d}

There has not been much activity in this article, but though consumptive demand is small, there is no special pressure to sell. We close at £9 10s. to £9 12s. 6d. for foreign, and £9 12s. 6d. to £9 15s. for English.

Spelter has been dull and featureless, and consumer's enquiry is quiet. The quotation is £14 to £14 1s. 3d., and £14 2s. 6d. to £14 3s. 9d.

Antimony dull. Unchanged at £32.

Quicksilver.

First hand: sold to £6 7s. 3d., and then advanced their price to £6 10s.; second hands ask £6 8s. 6d.

(Februa. Copper. The following are to-night's (February 8) prices of metals: -# s. d. ... 43 0 0 ... 43 15 0 ... 51 0 0 54 10 0 ts and sheathing Copper tubes,

BRASS: Wire

Tubes (solid drawn)

Bheets

PHOSPHOR BRONEE: Alloys II.

VII.

VII.

VII.

VII.

VII.

VII.

VII.

VII.

VII. Sheets and plates (per lb.) ...

Bars, round, square, flat (per lb.) ...

, bexagou (per lb.) ... English, ingots, f.o.b.

, bars ...

refined

Straits, spot and I months respectively ...

Australian spot, and three months respectively ...

Bancs ...

(in Holland)

TEV PLATES: Charcal, best quality ...

per box

ordinary ...

These prices of tiaplates are f.o.b. at houseses: at Zeo. Pig, G.M.B., f.o.b., Clyde, spot Beotch pig, No. 1 Gartsher Coltness Clyde Clyde Govan ... \$ 1 2 ... 2 10 6 ... 2 13 6 ... 2 8 6 ... 2 3 0 Bars, Weish, f.o.b. Wales Plates Plates
Bars, Staffordshire, at works...
Sheets
Plates
Hoops Rails at works, according to section 010 100 100 100 100 100 100 100 Spelter. Silesian ordinary bran ,, special brands English Swansea Sheet Zinc ... 14 0 0 14 2 6 14 12 6 Antimony. Quicksilver. Plasks, 75 ths, warrants 6 10 0 Manganese. Ore, c.l.f., U.K. ports 58-695/ per cent. (guaranteed 95 per cent. min.) in ingots (1 cwt. lots) 0 1 8 cm. do (1 ton lots) ... 0 1 7 0 1 4

TERRIBLE ACCIDENT AT WHEAL KITTY MINE. — An accident occurred, on Tuesday, at Wheal Kitty Mine, resulting in the death of a man named Kellow, and serious injury to another, named Hooper, The accident occurred in the Wheal Vottle part of the mine; the men were swung on staging in the shaft, for the fixing of which they were making places. As far as can at present be ascertained, the men signalled to be drawn upwards, and those in charge of the winch attempted to change it from single to double gear. By some means the double action did not catch properly, and the barrel of the winch, thus freed, rapidly revolved and precipitated the men and cage down the shaft some 80 fathoms, Several men at once went to the assistance of the poor fellows, but Kellow was dead before they arrived. Hooper, however, was conscious, and after a time was brought to the surface, where Dr. Whitworth attended him. The injured man, who was at once removed to his home at Mithian, lies in a serious condition. lies in a serious condition.

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THE JOURNAL" MINING LIST.

* The following is to Secretaries of Co. almost invariably	y far the most	complete	and co	mprehensive list	of mines.	in whose al	hares business is invited to co-oper inconvenience	being currently transacte rate with us to this end, that may arise from possi	d, published. Addition by notifying us of an ble inaccuracies.	ms will be mo ny errors thai	ide from t may at	ime to any tin	time as occasione occur. We d	n requires. lesire it to	Every e	fort is made to tood that, while	moure accuracy, and our Share List will
			BI	RITISH	MINE						INDL	AN	AND AS	IATIC	MIN	ES.	
Name	Closing Price, Peb, 8, 1895	Closing Price, Feb. 1, 1895.	Par.	Latest Dividend	Called up Per Share.	Amount of Stock or No, of Shares Issued.	Situation of Mine.	Head Office	Name,	Ciosing Price. Feb 8, 1895	Closing Price. Feb 1, 1895.	Par.	Latest Dividend.	Called up per Share.	Amount of Stock or No. of Shares Issued.	Situation of Mine.	Head Offices
Blue HillsCT BotallackI Carn BreaT	2/8 5/- 36 %	2/6 36		2/- Mav, '81 2/6 Dec., '93	5 15 6 51 4 6 22 8 5	5,353 1,880 6,000	Cornwall	Camborne, St. Just, Carn Brea.	Asia Minor Pref. St. Do. Ord	=	=	2 s. 0 10 1 0	-	2 s. d. 0 10 0 0 2 0	42,430 51,584	Asia Minor	2, Metal Ex. Bldgs. 2, Metal Ex. Bldgs.
Cook's Kitchen T Devon Gawton C.1 Devon Gt Cons, CA	20/- 30/- par 3/ pm.	10/- p. ½ p.m	1 0 5 0	3/- Nov. '94	0 12 8 2 0 0	4,900 25,000 10,240	Near Tavistock	Camborne. 8. Finsbury circus.	Bulaghat Mysore G Burma Ruby R Champion Reef G Colar Central G	4/- 4/6 13/ 14/ 41/4 43/4 -/9 1/3	4/3 11/- 315/16 -/9	1 0 1 0 1 0	3/- Jap. '95	0 19 C 0 17 0 1 0 0 1 0 0	160,000 300,000 200,000 200,000	India Burmah India	6-7, Queen-street-pl- Buffolk House, E.C. 6-7, Queen-street-pl- Dashwood Ho., E.C.
Doleonth7 Drakewalls CTM	134 134 39 41 1/- 1/6	45 1/- 4½	0 8	12/6 Apr. '94	9 12 6 0 2 0 0 9 9	4,700 61,856	Cornwall	3, Finsbury circus. Camborne. Dashwood Rouse.	Coromandel G Octala Movat G Gemming & Mining Gold Flda Mysore G	19/- 21/-	19/-	1 0 2 0 1 0	1/- July '92	0 13 9 1 0 0 1 7 6 1 0 0	95,000 200,000 19,594 220,000	India India Ceylon India	6-7, Queen-stplace. 34, Nicholas-lane. 183, Gresham House. 6-7, Queen-street pl.
East PeolAT GawtonCA Great LaxeyL Green HurthL	134 5 136 2 1/6	11/6	2 10 4 0 1 0	5/- Apr., '92 -/6 June '89	2 7 3 4 0 0 0 19 0	12,000 15.000 3,000	Deson	Illogan. 20, Great St. Helens. Douglas, Isle of Man. Newcastle.	Gold Flds di m G Hyderabad Dec Kempinkote GdFd Wysore	954 936 2/9 3/3 234 276	-	1 0 10 0 0 5	1/- Nov. '84	1 0 0 10 0 0 0 3 8 1 0 0	150,000 115,000 665,473 250,000	Siam Deccan India India	19, St. Swithin's lane. 16, St. Helen's place. 6-7, Queen-stplace. 6-7. Queen-street pl.
Halkyn L. Hexworthy 7	=	=	1 0 1 0 5 0	2/- Dec. '94 - 1/6 Dec. 94	1 0 0	10,000	Filntshire Devon	Chester. 6, Queen-street-place Chester.	My. Harnt alli G Mysore Reets G Mysore West (N) G Mysore Wynasd G	2/ 2/6 4/6 5/- 13/6 14/6 12/- 14/-	2/ 4/9 13/6 12/-	1 0 1 0 1 0 1 0	=	0 18 0 1 0 0 0 19 0 0 19 0	100,000 134,788 127,408 250,000	India India India India	2, East India Avenue £-7, Queen-street-pl. Dashwood Ho., E.C., Dashwood Ho., E.O.
KillifrethT LeadhillsL LevantCT LovellT	17/6 22/6 15/- 20/- 4 434	17/6 15/-	6 0	1/6 Nov., '94 3/- Bep. '92 4/- Nov., '94 1/3 Nov., '91	5 11 6 6 0 0 11 9 6 1 16 7	6,000	Cornwall Cornwall Wendron	Truro. 30, Finsbury-eircus. Penzance. 3, Gt. Queen-st., S.W.	Nine FeelsG	3/3 3/9	3/3	0 10	_ 1/6 Dec. '94	0 10 0	50,000 200,000	India	6-7, Queen-street-pt.
Miners	3,6	2/-	5 0 1 0	5/6 Mar. '90 6% Feb., '91 1/- Oct., '92	5 0 0 0 18 0 10 18 3 1 0 0	9,000 48,815 4,900 30,000	Denbighshire. Northumberld Cornwali North Wales	Minera, N. Wales. Newcastle on-Tyne. Camborne. 6 Queen street-place.	Do. (10 % Pref.), Do. (10 % Pref.), Panang Corpn. T	2 7/6 3 3/6 3 3/4 2 3/6 2 3/4 3 8/6 9/-	215/16 334 246 8/6	1 0 1 0 1 0 1 0	2/6 Nov. '94 2/6 Nov. 94 2/6 Nov. '94 15 % Ajr. '29	1 0 0 1 0 0 0 5 0 1 0 0	145,000 95,536 24,464 203,070	India	6-7, Queen-street-pl. 6-7, Queen-street-pl. 6-7, Queen-street-pl. Blomfield Ho., E.C.
PareLZ Phoenix United TC Polberro	1/6 2/- 12/6 17/6 5/- 10/-	1/6 10/- 5/-	1 0	1/- Mar. '90 3/6 Apr. '93	1 0 0 7 4 6 3 7 9 7 17 6	5,000 10,665	Cornwall Cornwall	Billiter 1q. buildings Liskeard, 37, Walbrook, 20, Great St. Helens	Pahang Kahang T S. Aust, Petroleum YerrakondaG	1/6 2/- 3/8 4/-	3/8	0 4	=	1 0 0 0 18 6 0 2 6	394,760 108,000	Malay Penin. Burmah	4a, Jeffrey's sq., E.O
South Crofty TA 8. Frances Unid. T TincroftT WeardaleL	5/ 10/ 2/6 7/8 434 5	5/- 2/6 4% 8/9		2/- Aug. '94 1/3 Oct. '90	17 7 6 2 7 6 15 7 6 1 10 0	6,120 6,000 6,000 60,000	Cornwall Cornwall Cornwall	Pool, Cornwall. Redruth. Carn Brea. 3. Lombard-court.			NO	RTE	AMERI	CAN	MINES	3.	
West Frances T West Kitty T Wheal Agar TA Wheal Researt TO	2/6 7/6 5 514	2/S 5¾ 2/6 1¼	:	2/6 May, '39 2/- Dec, '94 2/6 Aug. '88 10/- Apr.'88	16 4 7 1 2 0 23 15 2 12 3 0	6,144	Cornwall	Camborne. 37, Walbrook. Redruth.	Alaska MexicanG Alaska TreadwellG Almeda and TS	1 11/6 2 % 3 % x d -/3 -/6	1 2% -/3	\$5 \$25 2/6	7 1-5d. Nov. 94 1/6 Jan., '95	\$5 \$25 0 2 6	160,006 200,000 351,008	Alaska	30, St. Swithin's-In.
Wheal FriendlyT Wheal Grenville T Wheal KittyT Wheal Metal & F. T	-/6 1/- 11 12 1/- 3/-	-/6 1136 1/-		2/6 Nov. '94 3/- Mar. '88	0 12 9 18 2 0 4 5 6 0 13 9	10,000 6,000 8,590	Cornwall Cornwall Cornwall	1'0, Cannon_st., E.O. 7, Union-court, E.U. Truro. 14, Broad-street Av.	American BelleS Anglo MexicanS Arizona (Pref.) Cu	1/- 1/6	67%	1 0 5 C 4 0 100 0	-/6 Mar. '91 3/- Jan. '90 7% Nov. '94	1 0 0 5 0 0 4 0 0 100 6 0	398,890 74,850 158,920 2,660	Mexico Arizona	25A. Old Broad-street 23, College Hill. 74, Geost , Edinbor
	AUSTR	ALIA	N A	ND NE	W ZE	ALANI	D MINES		Do. 10 % Deben. Big Creek Ay.	2/6 3/6	2/6	1 0	1/- Dec. '91 -/6 May 90	1 0 0	50,000	Nevada Colorado	2, Pancras lane, E.C. St. George's Ho. E.C.
Achilles Gld Fld. Aladdins Lamp G Assoc. Gold Mines	par. 1/2 pm 2/ 3/ 1/2 1 1/2 1/2 pm 11/2 13/4	1/16 2/- 1 3/16	1 0 1 0 1 0	1/- Dec. '54	0 12 6 1 0 0 1 0 0 0 10 0	100,000 80,307 100.000 375.000	Murchison . New Zealand N 8 Wales Coolgardie	4-6, Throg. Avenue. Broad Street Avenue.	Canadian Phos. r Colorado Boy	Ξ	Ξ	1 0	-/6 Nov.'90 3 % Feb.'93	1 0 0	73,334 112,491 300,000	Canada Colorado Nevada	155, Fenchurch-st. Abchurch-chbrs, E.O. Suffolk House, E.C.
Australasian G Australian C Aus. Bro. Hill Con.	1/6 2/- 1 1½	1/6 1/6	1 0 20 0 1 0	-/6 Mar., '92 1/6 July '94 1/- June, '91	1 0 0 7 7 8 1 0 C 0 17 6	50,000 210,000 18,315 537,138	W. Australia Queensland Go. Australia N. S. Wales	23. College hill, FO 6. Queen-st. place 15. Old Jewry Chbrs Dashwood House.	Decatur	25/- 26/- xd 1/3 1/9	25/- 1/6	1 0 1 0 1 0	1/- Jan , '95	1 0 0 1 0 0 1 0 0 0 19 9	32,500 12,500 4(0,000 420,000	Colorado Colorado Idaho Idaho	35, Queen Victoria st. 35, Queen Victoria st. 6, Draper's gardens. Winchester Ho. E.O
Baker's CreekG Bayley's Reward G Big BlowG Blackett's Claim G	11/- 12/- 34 36 dls 8/9 11/3 -/6 1/-	12/- 3/16 8/9 -/6	1 0	1/- Dec. '94 -/4 Dec. 94	1 0 0 0 15 0 1 0 0	100,000 480,000 100,000 60,000 80,098	N. S. Wales W. Australia W. Australia W. Australia	Hillgrove, N.S. Wales 2, Met. Ex. Buildings Flomfield Ho., E.C. 14, Sherborne In. E.C.	Ell horn	10/- 11/- xd		1 0	-/9 Dec. '94	1 0 0 0 5 0	175,007 493,618	Montana	6, Draper's-gardens. 15, Geo-st, Mansn. Ho-
Blue Spur & G. G. Bonnie Dundee G Brilliant	12/6 13/5	13/-	1 0 2 C 2 0 0 10	-/4 Jan. '95 -/8 Jan. '95 6d. Feb. '95	0 18 6 2 0 0 2 0 0 0 6 3	120,000 150,000 250,000 72,000	Queensland Queensland	6, Gt. St. Helens' 3-5, Grace-hurch-st Charters Towers, 3, Gracechurch-st.	Pisk	1/6 2/-	=	1 0	6d May, 54	0 18 9 1 0 0 0 19 6	#40,000 134,000 98,185	Utah	Dashwood Ho., E.C. 5, Fenchurch st. Suffoik House, E.C.
Brilliant, St. Geo. Brit, Brok, Hill S Broker: Hill Prop. Brown's CreekG	5/- 6/- 111/16 113/16 13/16 11/16	5/- 2 15/18	5 0 0	1/- Feb. '85	5 0 0 0 8 0 C 15 0	240,000 980,000 60,000	N. S. Wales N. S. Wales	Dashwood Ho., E.C. Dashwood Ho., E.C.	Golden Feather G Golden Gate G Golden Leaf G	7/6 8/6 3/- 4/- 3/9 4/3 1/3	7/6 4/- 2.9 1/3	1 0 1 0 1 0	=	1 0 0 C 19 6 1 0 0 0 19 0	180,000 79,600 300,259 55,507	California California Montana Colorado	S. Stephens Cs E C. St. Stephens Cs E C. S. Draper's Gardens.
Cashman Bril G CarringtonG Con. G. M. of W. A. CoolgardieG	4/- 4/6	4/6 9/14 -/9 6/9	12/6 1 0 0 2	Ξ	0 12 6 0 12 6 0 0 6 0 5 0	100,007	Coolgardie Queensland W. Australia Coolgardie	14, Sherborne in. E.C 9, Tokenhouse Yard, 14, Hill st., Edinboro' Winchester House.	Gol 'en ValleyG Harquahala G Ho comb Val'ty G	5/6 6/8 1/9 2/3	5/8 1/9	1 0 0 5	-/6 Oct., '94	1 00	300,000 540,000	Arizona California	8. Draper's Gardens. 14. Cornhill, E.C.
Coolgardie(Shrlws) Craven's Cal G Crown Bayley's, G Croydon King B, G Oumbrind (New)G	3/ 4/ 3/e 3/e pm 3/- 5/- 3/9 4/3	3/- 1/10 3/- 4/6	0 6 1 0 0 5 1 0	-/3 June 94 	0 4 8 0 10 0 0 5 0 1 0 0	100,000 80,000 60,000 184,590	Queensland Coolgardle N. Queensland Queensland	30-1, S. Swithin's-le, hishepsgate Ho. B.C. Leadenhall Big, E.C.	IdahoGS	3/3 3,9 1/9 2/3 1/- 2/-	3/3 2/4% 1/-	6 5	-/2 Dec. 94	0 4 8	143,439 408,635 285,000	Idaho California Montana	140, Leidenhall-at 11, Poultry, E.C. Dashwood House,
Day Dawn B.&W.G Day Dawn P. C. G HaglehawkG	10/- 11/- 5/3 5/9 2/- 2/6 34 34 dis.	9/6 4/9 2/3	1 0 1 0 1 0	-/6 Mar. 93 -/6 Apr. '92	1 0 0 1 0 0 0 19 6 0 10 0	498,400 490,000 120,000 90,000	Queensland Queensland Victoria W. Australia	Blomfield House E.C 3-5, Gracechurch st, Winchester Ho., E.O 31, Lombard-street,	Jav Hawk	1/9 2/3 2/9 3/3 4/6 5/6	2/- 2/9 4/8	0 C 5	-/6 June.'81 1/3 Oct. '82 4c.psh Sept'94	1 0 0 0 4 8 0 19 0 1 0 0	112,901 405,000 76 015 575,000	Colorado Mexico Colorado	Blossfield Ho., E.C. 11. Poultry, B C. 20. Bucklersbury, B C 43. Threadneedle-st.
Empress Coolge. G Eng. & Aus. Cop. Cu Etheridge G Frederick the Gt G Glenrock G	-/1% par. % pm. 1/9 2/3	1/10 -1½ p.%pm.	2 0 5 1 0	2% 1883	1 17 6 0 5 0 1 0 0	70,000 324,790 125,000 225,000	So. Australia Queensland Victoria N. Zealand	2. Tokenhouse bldgs 136. Palmerston-blds 6-7. Queen-street-pl. 8t. George's House. 3-5. Queen-st. E.C.	Mammoth Gold Mesq. d'l Oro (P) G Mesq. d'l Oro (P) G Montana GS	16/- 11/-	10/-	1 0 5 0 5 0 1 0	-/6 Jan. '95	1 0 0 5 : 0 6 0 0 0 19 0	400,000 10,000 10,000 657,158	Pinal Arizona. Mexico Mexico Montana	257, Winchester Ho. Dashwood Ho., E.C. Dashwood Ho., E.C. Greeham House, E.C.
Gold Estates		p 1/6 pm 10/6	1 0	=	1 0 0	73,000 80,000 119,380 85,000	W. Australia W. Au tralia W. Australia Coolgardie	14, Sherborne in., E,O 3. Gracechurch st. ?, Budge Row.	New Colorado S N.Consolidated SC N. Gold Hill G New Guston S	-/3 -/6 8/9 11/3	-/3 8/9	1 0 5 1 0 1 0	1/- Oct. '92	0 17 0 0 3 6 0 19 9 1 0 0	65,000 248,576 191,045 110,000	Nevada N. Oarolina Colorado	Abchurch Cham. E.C. 15. Angel-court, E.C. 15. George-st., E.C. 25A. Old Broad-st.
Great Fuigall Rfs. Golden Gate G Hampton Lands Hampton Plains	2 2½ 1/6 2/- 3½4 3½4 11½8 113½	1/6 31/6 113/16	1 0 0 10 1 0 1 0	10/- Nov: '94	0 10 0 1 0 0 0 4 0	150.000 64,075 350,000	Queen sland W. Australia W. Australia	9, Tokenhouse Yard. 1, Whittington Avue 29, S. Swithin's lane	New Hoover Hill G Palmarejo GS Pinos Altos (Df) GS Do. 15 Z Cum Pref	1/3 1 9 5/6 6/6	-/3 1/6 5/6	0 10 1 0 1 0	-/9 Dec. '85 -/8 Mar.' 90	0 10 0 1 0 0 1 0 0	180,000 418,888 100,000 60,000	Mexico Mexico Mexico	Langthorne Ho., E.C. 4, Copthall-buildings 110, Cannon-street. 110, Cannon street.
Hannan's Brwn Hill KaboongaG KangarillaS KapangaG	2/- 2/6 2/- 2/6 2/6 3/- 5/9 6/3	17/16 2/0 2/- 5/6	1 0 0 10 1 0 1 0	-/6 Jan. '91	0 9 9 1 0 0 0 19 6	70,000 500,000 88,275 250,000	W. Australia. Queensland So, Australia N. Zealand	Bartholemew House. 70 71, Bishopsgate at. 68, Coleman street. 9, New Broad-street.	Pittang Con. (N) G Poorman Con. GS Red Mountain S Richmond GSL	2/3 3/- 8/9 11/3	1,9 8/9	1 0 5 1 0 5 0	1/6 Mar. '88 	0 19 0 0 5 0 1 0 0 5 0 0	77.147 273.948 46,686 54,000	Nevada Idaho Colorado Nevada	Suffolk House, E.O 5, Copthall-bigs, E.O 11, Poultry, E.C. 44, Coleman-street.
Kilkivan	20/- 22/6 36 Mpm. 136 136	18/9	1 0 1 0 1 0 1 0	=	1 0 0 1 0 0 0 10 0	81,392 80,000 70,000 46,000	Queensland W. Australia Coolgardie Murchison	4. Coleman-street. 33, Broad-st. Avenue Blomfie'd House.	Ruby	10/- 12/- 12/¢ 15/- 2/6 3/-	10/- 17/6 2/9	0 5 2 0 2 0 81	-/6 Oct. '94 -/9 Oct. '94 2d Aug., 94		221,371 122,500 140,265 1.000,000	Nevada California California Colorado	22 St. Mary Axe. 138, Leadenhall-st. 138, Leadenhall-st. 20, Abchurch Lane.
Lindsay	8/3 8/9 pm 154 134 20/- 22/6	7/0 136 21/3	1 0 1 0 1 0	20 p.e. Dec, '94	0 7 6 1 0 0 1 0 0 0 10 0	65,000 467,000 100,000 60,000	Coolgardie W. Australia W. Australia	15. Angel Court. 3. Gracechurch st.	Twin Lake Placers United Mexican S	19/14 11/16	1/3	1 0	3/- Feb. '95 2/8 May, '87	1 0 0	26,000 906,654	Mexico	5, Lawrence P. Hl. B C 3, Gt. Winchester-st.
Mills Day Dawn G Mosman	17/2 19/10 xc 4/ 4/6 2/- 3/- 23/2 23/4	4): 2/-	1 0 1 0 0 10	-/6 Jan. %5 -/6 Dec. '90 -/6 Jan. 95	0 15 6 1 0 0 1 0 0 0 6 3 0 17 6	300,000 58,235 157,989 58,000	Queensland Queensland Queensland Queensland	3, Gracechurch-st. 16, St. Helen's-place. 7, Draper's-rardens. Leadenha'l Bldgs.		SOUTE	I AN	D C	ENTRAL	AME	RICAN	MINES.	
Mount Morgan G Mount Zeeban SL New QueenG Nicol Mines N. Qld. M.Ageney	23 234 -/6 1/- 6/3 5/9 34 34 pm. 24/6 25/6 -/3 -/9	27/16 -/6 6/6 9/16 25/6		-/6 Apr., '94 10 p.e. July '94	1 0 0	193,257 158,915 80,000 90,000	Queensland Queensland W. Australia Queensland	10, New Bread Street	Angle-Chillen PfN Do. 6% RyletMB Antio. (Pref.) G.S. Astioquia (ordiny)	8 814 99 101 —	99	10 0 100 3 1 0 1 0	4/5 Dec, '89 67, Jan., '95 -/8 Mar. '90	10 0 0 100 0 0 1 0 0	35,000 £200,000 22,823 42,453	Antofagasta Antofagasta Colombia	123, Bishops, et. W. 123, Bishops, et. W. 184, Gresham Ho. 184, Gresham Ho.
Port PhilipG Queen's Ethdy Un Scottish Australian SunburstG Victoria Associato.	9/- 10/- 56 36	9/- 56	0 5 1 0 1 0 0 10	4 4-5d. Nov.'94 -/6 Mar. '92 -/3 Feb. '95	0 5 C 0 12 6 1 0 0 0 10 0	200.600 75.600 200.00 150,000 144,000	Victoria Victoria N.S. Wales Queensland Char, Towers	57. Moorgate-st., E.C. 7-8, Gt. Wnchster St. Winchester Ho. E.C. 9. Tokenhouse Yard.	Carlan Bis	2/- 2/8 1/41/6 1/71/6 13/6 13/6	1/4%	1 0 2 0 2/6	1/- Apr. 94	1 0 0 2 0 0 0 2 6 2 0 0	316,248 67,000 1,330,000 125,000	Venezuela Venezuela Peru	228, Winchester Ho. 123, Bishopsgt. Wn: 57, Moorgate-st. E.C 52, Leadenhall street
Victory	6/6 7/6 636 636 3/9 4/3 5/- 6/-	6/- 634 3/9 5/6	0 5	-/6 Mar., '94 1/- Dec, '94	0 5 0 1 0 0 0 5 0 1 0 0	200,000 150,000 178,828 350,000	Queensland New Zea'and N. S. Wales N. S. Wales	11, Abchurch-in E.C	Colorado Nit N Colorado Nit N Colombia G Colombian Hy G	236 3 12/- 13/-	-/3 234	1 0 5 0 20 0	8% Nov., '94 10 frs. Aug. 94 1/- Sept. '94	1 0 0 5 0 0 20 0 0 1 0 0	200,000 32,000 75,000	Colombia Venezuela Colombia	5,Copthall-bdgs., E.O. 12, King-st., Liverp?. Cludad, Bolivar. 10, Blomfield-street.
Went. Priority G W. Argentine G W. Aust. Concesson W. Aust. Fxploring	12/- 15/- 1/9 2/3 1% 2% Vie %ie pm	14/- 2/- 13i	1 0	2/ - Dec. '94 1/- Jan. '95	1 0 0 0 19 6 1 0 0 0 15 0	150,060 150,000 17,500 200,000	N. S. Wales N. Zealand W. Australia V. Australia	4 6, Throgmort. Av. 2-5, Quren-street. 33, Old Broad st., EO	Darien "A"G Don PedroG	19/16 111/16 25/2 23/2 5/6 6/6	13% 23% 5/6	1 0 1 0	1/- Dec. '84	1 0 0 0 17 6	49,553 133,102	Colombia Brazil	DashwoodHouse, B.C Manchester. 24-5, Devonsh.CsH.C
W. Australian G.F. W. Aust. Mining W. Mailina	71s % pm 313/16 313/16 7/- 5/- 2/- 2/6 23/16 27/16 8/6 7/6	7/6 3tl/16 7/6 2/- 236	1 0 0 5 1 0	2/6 Dec., 94	1 0 0 1 0 0 0 3 0 1 0 0	85,000 104,297 80,000 60,000	W. Australia W. Australia W. Australia W. Australia	28-29, S. Swithin's-in.	Wi Callao	7/8 12 6 136 136	7/8 136	5 3	956d Feb, '94 1/- Dec , '94	5 0 0	257,600 128,662	Venezuela Colombia	8, Bishopsgtst., Wn 184, Gresham House
White Feather Zapopan	= 7/6	6/3	1 0 1 0 1 0	8d Aug., 94 5d Aug., 94	0 5 0 1 0 0 0 12 8	66, 00 12,600	Tasmania	70, Bishop gate-street 11, Queen Victoria et. 11, Queen Victoria et.	GlenrockG GravelG GuadalupeGS HuanchaeaS	1/9 2/3 4/- 5/- 3/6 5/-	1/9 4/8 3/8	1 0 5 0	4/- Bept, '94	0 19 6 1 0 0 5 0 0	199,948 100,000 120,000 320,000	Argen. (& Ind) Colombia Honduras Bolivia	3-5, Queen-street, B.O 10, Blomfield-street. 11A, Unionet. Old Brdst 10, Avnu. d'Alma, Paris
AlamiliosL	10/- 15/-	10/-)	E1	UROPEAI	MIII	1 35,010	9pain	8, Queen-street-place	Julia TaltalN Lagunas A Lagunas Syndica' e	-/6 1/6 34 76 536 534 21 22	-/6 34 534 1914	1 0 5 0 5 0	15p.c. Dec. 94 7/8 Dec. 94	5 0 0 5 0 0	105,234 200,000 120,000 55,000	Nicaragua Chili Tarapaca Tarapaca	139, Cannon-street. 7914, Gracechurch-st. 3, Gracechurch st. 70, Gracechurch st.
Consett Ore I English Cr. Spelter Fortuna L	0 36 536 36 36 17/6 23/6	0 536 36 17/6	1 0 1 0 1 0 2 0	1/- May '93 5/- July *** 21/4 % Aug. '94 1/- Oct. '94	1 0 0 1 0 0 2 0 0	150,047 55,20 54,000 25,000	Servia Spain Lombardy Spain	4, Tokenho. B'dgs. 19, Grey-st. R'castle 9, Queen-street-place 6. Queen-street-place	Lautaio	7¾ 8¾ 11 12	756 11 -/9 2	5 0	7/6 Dec. 94 10 p c Dec. 94 3/4% Nov. '89	5 0 0 5 0 0 1 0 0 5 0 0	110,000 22,000 300,000 10,000	Chili	70, Gracecturen **. Liverpool. 5, Copthall-buildings 9, Gracecturen-**. 9. Gracecturen-**.
LinaresL Mason & BarryC OscarG	33/4 4 13/4 2	336 336 136	5 0 3 0 5 0 5 0	2/6 Aug. 94 5/- Oct, '94 2/- May. '94	\$ 00 3 00 5 00 0 48	50,400 14,998 185,172 117,240	Spain Portugal Forway	Dashwood Ho., E.O. 6, Queen-street-place 87, Cannon-street. 6A, Austin Friars.	New Tamarugal N Do. 8 % Cum Pref	3/- 3/6 3/- 3/6 1 13/6 85 88	3/9 3/6 1	0 2 1 10 1 10	8% Nov. '84 1s. Dec. '94 8 p.c. Feb. '95	8 0 0 0 2 0 1 10 C 1 1C 0	22,000 200,000 130,000 130,000	Peru	9. Gracecouron-st. 11. Old Broad-st. E.O. 50. Lime-street, E.O. 50. Lime-street, E.O. 50. Lime-street, E.O.
Pontgibaud SL Bio Tinto C Do. (Mert. Bonds)	138/14 137/16 104 106	13%	3 0	11/6 Dec. '54 4/- Oct., '94 6 % Jan., '95 5 % Jan. '95	3 0 0 20 0 0 10 0 0 100 0 0	67,809 14,000 325,000 £1692,740	Coueron, Fri Spain Spain	6-7, Queen-street-pl,	Do 8 p.c. Debe Orita	1/6 2/-	1/6 1/6 3¾ 2¾	1 0 1 P 5 C	6 p.e. Feb. '95 1/- April '89 5/- Aug. '94	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	280,000 30,000 80,000 72,000 40,000	Colombia Brazil	10, Blomfield-street. 6, Queen-street-place 3, Gracechurch-st. Liverpool.
Do. (2nd do.) Do. (3rd do.) Ripanji	102 104 101 103 8/- 10/- 5 5%	101 8/- 436	1 0	5 p.c. Jan., 95 18% % Mar. '94	0 19 0	£1024,860 £557.080 95,000	Spain Spain Servia	120, Bishopsgt-st, Wn?	Primitiva N Quebrada C Quebrada C	236 234 3/- 5/- 40 50 536 536 105 107	40	3 0 8 k. 5 0	10 % Oct. '89 5 % Mar, '92 6 % Feb., 94 5 / Ang. '94	5 0 0 3 0 0 100 0 0 5 0 0	241,956 £400,000 120,000	Venezuela Venezuela Chili Chili	38, Nicholas Lane. 38, Nicholas Lane. 57%,OldBroad-street 57%,OldBroad-street
West Prussian Pre. West Prussian Or. West Prussian Or.	III.	-	10 01	87 Jan. 95	10 0 0	365 \$,450 14,050 99,534	Germany Germany Prussia	Glaegow. Walbrook Ho., E.C. Walbrook Ho., E.C. Walbrook He., E.C. 17, Victoris-st., 8,W. 17, Victoria-st., S.W.	Rosario (5% Deb.) 8t. John del Rey G San DonatoN San JorgeN	28/6 27/6 23/4 23/4 53/4 53/4	26,6 234 534	1 0 5 0 5 0	6% Oct. '94 10% June '82 7/6 Sept. '94 2%% Nov., '94	5 0 0	284,200 32,000 75,000	Brazil	
Wohlfahrt	=	-)	1 0 (3 J. Dec. '94	0 10 0	a*000	Fruit11	al, vactora-st., S.W.	BAB PADION				-75 A 2014 P1			- American	

'THE MINING JOURNAL" SHARE LIST-(Continued).

SOUTH AND CENTRAL AMERICAN MINES-(Continued						inued).	AFRICAN MINES ~ (Continued)										
Name.	1	Closing Price, Feb. 1, 1895.	Par.	Latest Dividend,	Oalled up Per Share.	Amount of Stock or No. of Shares Issued.	Situation of Mine.	Head Office.	Name.	Closing Price, Feb. 8, 1895	Closing Price, Feb. 1, 1895.	Par.	Latest Dividend.	Called up Per Share.	Amount of Stock orNo.of Shares Issued.	Situation of Mine.	Head Office.
Santa Barbara	256 276	75 354 254	C 10 5 0 5 0	1/3 Dec. '88 5/- Oct. '94 15% Apr., '94 5/- Dec. '94	2 a. d. 0 10 0 5 0 0 5 0 0	60,900 22,000 26,000 29,000	Brazil	Liverpool 3, Gracechurch-st. Dashwood House, E.O Dashwood House, E.O	Lisbon-Berlyn G Lionedale London & S. A. Er, Luipaards Vlei Est.	4/3 5/- 8/8 9/8 934 1034 13/ 14/-	4/6 8/6 10 14/-	2/6 1 0 0 10 1 0	25 pe Dec. '94 8% Mar, '90	2 s. d. 3 2 s 0 10 0 1 0 0	889,233 100,000 319,003	Lydenburg B. Africa Witwatersrd.	110, Cannon-street. 85, Gracechurch-st. 19, Finsbury-circus. Warnford-court.
Segovia	=	=	1 0	10% Dec. '94 6% Dec, '94	0 15 0	160,0°0 840 10,000	Colombia Colombia	5, Coptha'l-buildings 23, St. Swithin's In. 23, St. Swithin's In.	Main Reef (New)G Mashon. Agency Massi Kessi	14/- 15/- 136 156 11/ 12/	14/- 111/10 11/6	1 0 1 0 0 10	Ξ	0 10 0	300,000 100,000 1000	Witwatersrd. Mashonaland	8, Old Jewry. R.C. Broad Street Avenue
Tolima "A"S Do. 'B"S		794	1 0 5 0 5 0	10/- Dec., '94 10/- Dec., '94		14,000 6 903	Colombia Colombia	5, Copthall-buildings 18, Finsbury-circus. 18, Finsbury-circus.	May Con. (New) G Metropolitan (N) G Meyer & CharlG	0 16 0 16		1 0	30 % Dec., '94 3% May '94	1 0 0 1 0 0 1 0 0	430,000 75,000 71,687 82,774	Witwaterard. Witwaterard. Witwaterard. Bo. Africa	4, Lothbury. ? 1. Crosby Square. ? Warnford-court. ? 130, Winchester Ho.
Vic. & Altamira		1/3	0 5	-	9 5 0	200,000	Venezuela	Broad-st. Avenue.	Mines Trust	814 814 54 34 10/6 11/6	5/6 85/6 5/6 10/6	1 0	3/- Meb. '90	1 0 0	70,000	Witwatersrd. De Keap	65. New Broadestreet
West Indian G	-	-	0 5	-	0 5-0	700,000	San Domingo	49, Queen Victoria-st	Moodies G.&E,G Mozambique.	21/6 22/6	22/-	1 0	-/4 May '90	1 0 0	400,000	B. E. Africa	8, Old Jewry. I Broad-street House,
srums	-	1 -	0 5	1 -	0 50	261,422	Eduador	I, Gt. Winchester-st.	NamaquaC NewAurora West G	16/3 18/9 14/- 15/-	16/3	1 0	2/6 July '91 5% Mar., '93	8 0 0	30,000	Mamaqualand. Witwaterard	34, Leadenhall-blds, 1, Crosby Square
			A	FRICAN	MINI	ES.			N. Belgium Land New Black Reef New Chimes G	8/6 9/-	8/6 236	1 0	57 Oct '94	1 0 0	167,362 76,000 70,000	Waterberg Witwatersrd, Witwatersrd,	9. King William
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WEST RAND MINES.

By ALPRED LEWIS. M.E.

This company, which has just been floated privately, is one of the best properties that has been put on the market of the control of the best properties that has been put on the market of the control of the best properties that has been put on the market of the control of the best properties that has been put on the market of the control of the best properties that has been put on the market of the control of the best properties that has been put on the market of the control of the best properties that has been put on the market of the control of the best properties that has been put on the market of the control of the best properties that has been put on the market of the control of the best properties that has been put on the market of the control of the put of

PROVINCIAL SHARE MARKETS.

THE CORNISH MINE SHARE MARKET.

R. SAMUEL JOHN DAVEY, Dealer in Cornish Mine Shares Redruth, Cornwall, reports under date of Febuary 7 (4 o'clock) as follows:—We have had a murket this week without much alteration in price. To-day market is steady. Following are quotations:—Blue Hills, \(\frac{1}{2}\) to \(\frac{1}{2}\); Carn Brea, \(1\frac{1}{2}\) to \(2\); Cook's Ktchen, 1 to \(1\frac{1}{2}\); Delcoath, \(3\) to \(4\); East Pool, \(4\frac{1}{2}\) to \(5\); Killifreth, \(17s\), \(4\) to \(5\); West Frances, \(\frac{1}{2}\) to \(\frac{1}{2}\); Fincroft, \(4\frac{1}{2}\) to \(5\); West Frances, \(\frac{1}{2}\) to \(\frac{1}{2}\); Wheal Agar, \(\frac{1}{2}\) to \(\frac{1}{2}\); Wheal Greaville, \(11\frac{1}{2}\) to \(11\frac{1}{2}\); Wheal Kitty (St. Agnes), \(\frac{1}{2}\) to \(\frac{1}{2}\); Polberro, \(\frac{3}{2}\) to \(1\).

Mr. MICHAEL WILLIAMS BAWDEN, Mining and Assaying Offices, Liskeard, Cornwall, writes (February 7) as follows:—The mining market has been quiet throughout the week, on the dulness of tin, market has been quiet throughout the week, on the dulness of tin, and severe weather impeding dressing/operations at the mines. Shares on the whole are easier, with an absence of any enquiry. Closing prices:—Carn Brea. 2 to 2½; Cook's Kitchen, 1½ to 1½; Devon Consols, 1½ to 1½; Dolcoath, 39½ to 40; East Pool, 4½ to 4½; Killifreth, 18. 6d. to 20s.; Polberro, 16s. to 17s. 6d.; Levant, 4 to 4½; South Crofty, 3s. 61. to 10s.; Tincroft, 4½ to 5; West Kitty, 5 to 5½; Wheal Agar, 4s. to 5s.; Wheal Basset, 1 to 1½; Wheal Grenville, 11 to 113.

Messrs. ABBOTT AND WICKETT, Stock and Share Brokers and Mining Share Dealers, Redruth, write under date of Thursday, February 7:—Not much doing this week or change in prices. East Pool, West Kitty, and Cook's Kitchen in request, but at quoted prices holders will not sell. Quotations herewith:—Blue Hills, \(\frac{1}{2}\) to \(\frac{1}{2}\); Caron Brea, \(\frac{1}{2}\) to \(\frac{2}{2}\); Caoks Kitchen, \(\frac{1}{2}\) to \(\frac{1}{2}\); Tolcoath, \(39\)\(\frac{1}{2}\) to \(\frac{1}{2}\); East Pool, \(\frac{4}{2}\)\(\frac{1}{2}\) to \(\frac{1}{2}\); Killifreth, \(\frac{1}{2}\) to \(\frac{1}{2}\); Tincroft, \(\frac{4}{2}\) to \(\frac{1}{2}\); Wheal Condurrow, \(\frac{1}{2}\) to \(\frac{1}{2}\); West Kitty, \(\frac{1}{2}\) to \(\frac{1}{2}\); Wheal Agar, \(\frac{1}{2}\) to \(\frac{1}{2}\); Wheal Grenville, \(11\) to \(11\)\(\frac{1}{2}\); Wheal Kitty, \(\frac{1}{2}\) to \(\frac{1}{2}\). Tip, £604

MANCHESTER.

Messrs. JOSEPH B. and W. P. BAINES, Stock and Share Brokers, Queen's Chambers, 7. Market-street, write February 7th (noon):—
Taking generalities first, and details afterwards, we may say that, save for a little firming-up on Friday last, on the Midland dividend announcement, home rails have been a drooping market all week, and though this movement has resulted in declines all round, the cative bear sails, with the single execution of Milland (which are save for a little firming up on Friday last, on the Midland dividend announcement, home rails have been a drooping market all week, and though this movement has resulted in declines all round, the active home rails—with the single exception of Midlands (which are \frac{1}{2} up)—it is only in one or two cases where the depreciation amounts to 1 or over. These are South-Eastern A, which are \frac{1}{2}, and York A 1 to \frac{1}{2} lower, the rest being expressed in fractions of 1 per cent. Canadians have also come in for depreciation, the guara-teed stock leading the way with fall of \frac{2}{2}, and ranging downwards on their several issues to \frac{1}{2} on ordinary. On the other side, however, come Mexicans and Americans. The former have had a very sharp rise, something like what they used to do some time ago, First Preference being \frac{5}{2}, Second Preference 4, and ordinary \frac{3}{2} to 1 higher. Americans came into favour early on, and notwithstanding some relapses the balance of change on the week leaves advances uncontradicted save in the case of Norfolk Preferences, which quote \frac{1}{2} down. New York Central have the biggest rise with \frac{32}{2}, but several others are more than a dollar, and the rest well on towards a dollar better. Turning to daily record, on Friday last home rails got a bit of a fillip from the Midland dividend, and prices hardened somewhat all round this section of the market. Americans came up quickly, and some good advances were soon established, ranging from \frac{3}{4} to \frac{3}{2}, last prices being about the best of the day. Other departments of rails but lit le altered. Saturday brought in little business, except in Americans Home rails were dull, and prices fell away from the previous day's range. In Canadians, Pacifics went sloppy, and fell a dollar. Trank issues dull, as also were Mexicans. Americans began well on quotations from the other side, and fully maintained the advance, closing firm. On Monday afternoon the London and North-Western dividend was announ opening prices being wired in prices fell away a bit. Yesterday, when the majority of home rail traffics were announced, as usual, brought in decreaces, consequent on the almost Arctic weather recently experienced, and this depressed a market already suffering from relapse, and brought in still lower figures all round this section. Scotch stocks, though both showing increased traffics, shared in the general decline. Canadians also were again flat. Americans strengthened just a little. Mexican rails were again in demand, and First Preference had another good advance in quotations. This morning, as the weather reports all round showed no amelioration of the situation opened no better, and, if anything, worse than last night for home railway prices. Yankees just a bit irregular, but very little altered on either side from last night. Canadians opened just at same figures as close yesterday. From the markets other than rails, only a moderate number of transactions are reported, and these transactions are pretty well scattered about the concerns mostly active amongst the miscellaneous classes of investments. As regards the course of prices the balance of movement is a favour of holders, and this obtains in most of the sections spoken of. Consols have recovered from their collapse, and mark rise of \$\frac{1}{2}\$ on the week. Colonials show Canada Registered and Queensland Inscribed \$\frac{1}{2}\$ each lower, but no other changes. Home Corporation stocks are irregular, Oldham Four per cent, is 1, and Manchester Four per Cent. \$\frac{1}{2}\$ to 1 better, whilst Birmingham Three and a-Half per Cent. are each \$\frac{1}{2}\$ lower. Foreigners contradictory. Higher: Spanish Four per Cent., \$\frac{1}{2}\$; Italian Rentes, \$\frac{1}{2}\$; Brazilian Four and a-Half per Cent., \$\frac{1}{2}\$; Lower; Uruguay Three and a-Half per Cent., \$\frac{1}{2}\$; Lower, Lower, and pretty well divided between higher and lower. Insurance.—Very little doing. Figures, however, are advanced in numerous instances, against which declines are few and sma

amount.

« COAL, IRON, &c., neglected, and changes on the adverse side are in somewhat of a majority.

COTTON, SPINNING, &c., marked lifeless except for just a few concerns showing especially to the front, and in which figures are actual. Otherwise quotations are absolutely nominal and business sid.

BREWERIES.—Allsopps are 1 down. Local concerns are all better where altered, Hardy's being to the front with a rise of

M. Stallaneous, -Very little going on. Ship Canals much

prieter, and prices easier, notwithstanding the recent development of traffic and its handling facilities. Gas stocks have improved, mperial Continental being 6, Gas Light and Coke A 5 to 8, and divergool A 1 higher. By far the changes in quotations showing rise are in excess of declines.

rise are in excess of declines.

LATER (4 P.M).—The Great Western dividend announced to-day
was a little under anticipations, and thus further eased prices in
home rails a bit. Some, however, marked a little better at the
close, Americans have held up pretty well. Closing of a big
account has flattened Tranks. Mexicans irregular

ERRATUM.—In last week's report in the "Later (4 p.m.)" section regarding Americans, the word "out-ide" should have read other side "rules the course of prices."

SCOTCH MINING AND INDUSTRIAL COMPANIES SHARE MARKETS.

STIRLING,—Mr. J. GRANT MAGLEAN, Stockbroker and Ironbroker (February 7), writes:—During the past week there has been less business doing, and prices are generally lower. Business is partly checked by severe weather, and the dull state of the metal markets. However, the crushing returns from the Indian and African mines for last months.

However, the crushing returns from the Indian and African mines for last month are very satisfactory, and will no doubt lead to a renewal of buying these descriptions.

In shares of coal, Iron, and steel companies prices are lower. Marbella are at 53s.; the output for January, 1283 tons, shows a falling-off, owing to an accident. African Coal are at 6s. 9d., Niddrie B 42s. 6d., and Steel Company of Scotland 40s.

In shares of copper concerns prices do not show much alteration, although the market has fluctuated a little. Tharsis have been sold from 89s, to 90s. 6d., and Tinto from 13\$ to 13 15 16. Arisona are at 10s. Home mines show little alteration. Great Laxey Lead are at 35s., and Killifreth Tin 17s. 6d. to 20s.

In shares of gold and silver mines a fair amount of business has been done. Montana are about 10s. 6d.; last month's profit is estimated at \$15,600; Sheba improved to 34s. 6d., a good return for last month, and favourable mine report. African' Gold Recovery lower, at 21s. 6d. on rumours of a new competing process. Broken estimated at \$15,600; Sheba improved to 34::6d., a good return for last month, and favourable mine report. African, Gold Recovery lower, at 21s. 6d. on rumours of a new competing process. Broken Hill proprietary shares have been largely dealt in. After the meeting they declined from 42s. 3d. to 34s. 9d. on a statement that the production is to be reduced for a few weeks. Zwartland Transval wanted. African Concessions are at 10s. 9d.; Barrett's, 11s.; Bechuanaland, 33s. 6d.; Balkis Land, 3s. 9d.; Barrett's, 11s.; Bechuanaland, 33s. 6d.; Balkis Land, 3s. 9d.; Barrett's, 2d.; Big Golden Quarry, 2s. 14d.; Banjely's Reward, 11s. 9d.; Bonnie Dundee. 13s. 9d.; Clewer, 35s.; Champion Reef, 81s. 6d.; Callao Bis, 2s. 3d.; Crossus, 50s.; Coolgardie Sherlaw, 7s. 3d.; Colar, 6d.; Caratal, 1s. 6d.; Day Dawn Block, 9s. 6d.; East Rand, 51s. 9d.; Frank Johnson, 19s.; Gravel, 4s. 6d.; Gold Fields of Australia, 6s. prem.; Gold Hills, 6d.; Gold Fields Deep, 78s. 9d.; Glencairn, 75s.; Graskop, 2s.; Holcomb, 2s. 3d.; Johannesburg Investment, 57s. 6d.; Knight's, 65s.; Kaboongs, 2s. 6d.; Klerksdorp, 6s. 6d.: Lower Roodepoort, 6s. 3d.; Lisbon, 4s. 6d.; Lipaard's, Vlei, 15s.; Londonderry, 8s. prem.; May, 46s. 3d.; Mailina, 20s. 6d.; Mainland Consols, 3s. 9d. prem.; Mozambique, 23s.; North Shebs, 8s. 6d.; Oceans, 42s. 6d.; Orion, 70s.; Orlia, 1s. 9d.; Otto's Kopje 6s. 3d.; Paarl Central, 25s. 6d.; Gandalcazar, 5s. 9d.; Roodepoort Deep, 46s. 3d.; Randfontein, 23s. 6d.; St. Helen's Buluwayo, 35s.; Simmer and Jack, 11f.; Sutherland Reef, 23s. 6d.; Sam's Wealth of Nations, 6s. 3d.; South African Trust and Finance, 13s. 3d.; Virginia Transvaal, 5s. 3d.; Wolhoter, 5f. and Zupopan, 7s. In shares of miscellaneous companies there has not been much business doing. Ia oil companies, Brozbura are at 9f.; ditto Preference, 10f.; Pumpherston, 6; and Young's, 28s. Lawes' Chemicals are at 7f.

EDINBURGH.

EDINBURGH.

Messrs. Thomas Miller and Sons, Stock and Share Brokers, 69, Hanover-street, Edinburgh, report as follows under date of Feb. 7:— The railway market has been quiet, and prices have declined. Caledonian Deferred has gone down from 42½ to 42 3-16; North British from 38½ to 37 9-16; Glasgow and South-Western from 110 to 109½; Great Northern Deferred from 51½ to 49½; Chatham from 19 3-16 to 18 11-16; South-Eastern Deferred from 89½ to 88½. Bank shares lower. British Linen have gone from 383 to 380; Commercial from 67½ to 66½. Insurance shares are generally higher. Alliance have advanced from 10½ to 10½; British and Foreign Marine from 24 to 24 5-16; Caledonian from 29½ to 30½; Life Association from 40 to 41; National Guarantee from 74x. to 77x.; North British and Mercantile from 40½ to 40½; Scottish Accident from 42x. 6d. to 43x; Scottish Life from 34x, 6d. to 35x.; Standard Life from 63½ to 64. In Financial and Mortgage Stocks, American Mortgage and Agency Preference has fallen from 68½ to 65; Edinburgh Lombard shares from 9x. to 5x.; Scottish American Mortgage from 52x. 6d. to 50x. Coal shares in demand. Coppers weak. Oils better; Broxburn up from 98-16 to 9 7-16; Pumpherston from 5½ to 6 3-16; Young's from 26x. to 28x.; Distillers 1x. 3d. higher at 17; Coats 3x. 9d. lower at 24 13-16.

MINING NOTES FROM JOHANNESBURG.

By H. BUSH, M.E.

(Cabled Weekly).

Champ d'Or Deep.

There has been a loss of about £2,000 a month since the battery has been running, and nothing now remains but to develop the rich shoot of gold to the east of the lowest level.

Ginsbergs.

Under the new management the prospects of this mine have improved wonderfully, and there will be an increase in the profits this month. Active developing work has been carried out, the mine opening out richer at depth.

Driekopjes Diamond Mine.

I have again visited this mine, and the prospects are improving.

Cassel's Colliery.

Orders are now being received from companies that used to buy their fuel from other collieries. This mine is opening out better to the east. The profits will now increase every month.

Glencairns.

Since last advices this mine shows great improvement at the lowest level going towards Knight's. The reef is 5 feet wide, and gives assays from 15 dwts. to 5 ounces.

THE OTTOS KOPJE DIAMOND MINES, LIMITED.

TO THE EDITOR OF "THE MINING JOURNAL."

DEAR SIR,-My directors desire me to give an explanation of the delay which has occurred in getting the new Machelland plant at work at Ottos Kopje. The complex nature of that machinery, which is automatic throughout its entire length of nearly 300 feet, demands particular care in its erection. Though the steam trial at slow speed with the unladen machinery was quite satisfactory, some faults manifested themselves soon afterwards, mainly due to the warping of some of the woodwork in consequence of the great heat. The correction of these faults has proved a somewhat tedious operation, but, as Mr. Lisle says in his report dated January 14 last, "We cannot afford a break in any part with all its attendant expenses, and when these things (the faults) showed themselves, I considered it true economy to have them put right at once."

My directors were throughout aware that nothing serious stopped the way, and they are glad to say that the following cable, dated 6th inst., has been received from Mr. Lisle:—"Expect to complete alterations early next week."—I am, dear Sir, yours faithfully,

Thos. W. Care, Secretary.

CAPE TRADE IN 1894.—The Cape trade returns for 1894 show that the goods imported during the year were valued at £11.588.096, against £11,539,987 for 1893. The exports were valued at £13,812,062, against £13,156,589 for 1893.

REPORTS FROM THE MINES.

BRITISH MINES.

BRITISH MINES.

DEVON GREAT CONSOLS.—William Clemo, February 3: The water at Watson's is now in fork to 14 feet below the 148 level, and the men are again at work in that level driving eastward. We hope the draining will go on steadily until the bottom levels are reached. The frost continues very severe, and our surface works have been greatly hindered, especially the arsenic works, and we shall hardly make much progress until a change in the weather has taken place. Although the weather has been so much against us we hope to sample 280 tons of copper ore to-morrow for sale on the 21st inst, The stopes at Wheals Anna Maria, Josiah and Emma are in full work, and continue to yield large quanties of mineral for the reduction works.

FOXDALE MINE.—January 31: Beckwith's shaft, During the past month there has been a further improvement in the lode driving west at the 275 fathom level which is now producing fully 2 tons of lead ore per fathom. The lode in the end driving east is likewise looking more promising than for some time past. With the view of resuming the sinking of the shaft below this level we have commenced to cut out ground for lark engine, &c. There is no change to report in any other part of the mine, everything is going on in its regular course.—Surface. The severe frost has greatly interfered with all outside work, especially on the dressing floore, but, notwithstanding, it is satisfactory to be able to report our usual quarterly returns of ore have been maintained—viz, 1150 tons.—W. H. Kitto. FOXDALE MINE .- January 31: Beckwith's shafe. During the past

quarterly returns of ore have been maintained—viz, 1150 tons.—W. H. Kitto.

LEADHILLS.—W. H. Paull, February 4: Brown's vein. The vein in the 160 fathom level driving north of Jeffrey's shaft is 4 feet wide, composed of stone and spar, showing a little lead ore. In the 160 fathom level going south of Wilson's shaft the vein is 4 feet wide, containing a little spar but no ore. The stope over this level south of Jeffrey's shaft is producing 20 owts, of ore per farhom. The three stopes over the 145 fathom level north of Jeffrey's shaft will yield on an average 28 cwts. of ore per fathom. In the 115 driving south of old stope, above the 130 fathom level, the vein is 6 feet wide, now yielding 15 cwts. of ore per fathom. The vein in the 115 fathom level going north of Jeffrey's shaft contains more spar, is letting out a little water, and an improvement may be fairly expected soon. The 100 fathom level south of Wilson's shaft is going forward at a fair rate, vein in forebreast over 4 feet wide, composed of kindly stone well mixed with spar, showing spots of ore, and le'ting out a little water. In crosscut going east at the 100 fathom level south of Wilson's shaft the ground is a little easier for exploring. There is no material change in any of the various other points of operation in the underground department. Dring the past week a further considerable quantity of snow has fallen, and it has been very stormy at times, thus causing by being drifted daily great hindrance to our surface operations. We are, however, doing all we possibly can to push things forward.

SOUTH CONDURROW,—February 6: We have got down on the south wall of the lode in the bottom of Marshall's shaft; but

all we possibly can to push things forward.

SOUTH CONDURROW.—Februare 6: We have got down on the south wall of the lode in the bottom of Marshall's shaft; but it has not so fast an underlie as formerly. We intend blasting a few holes in the lode after we have sunk deeper and uncovered it. The lode in the 167 west is worth £8 per fa'hom. The rise in the back of the midway level is worth £9 per fathom. We are sinking a winze in the bottom of the 153 west, but are carrying a very small portion of the lode so as to prevent the influx of water. The stope in the back of the 153 is worth £12 per fathom. The 153 end west is worth £6 per fathom.—(Signed) Wm. Rich; Wm. Thomas, Fred Rich.

COLONIAL, INDIAN, AND FOREIGN MINES.

HARMONY GOLD AND LAND,—The following is an extract from Mr. Procter's letter of the 10th ult.: I have purchased from H. and F. Mockford their entire camp at Pebbine; this includes a decent two-roomed house of galvanised iron, a good stable, &c. Thus without loss of time I have a camp ready made, and can com-

decent two-roomed noise of galvanised iron, a good stable, &c. Thus without loss of time I have a camp ready made, and can commence operations at once on a good scale. I have already begun work, and, on Monday, shall have 60 or 70 Kaffirs engaged on the trenches, which, as I told you, I shall have out preparatory to sinking a shaft or shafts on each reef. Every visit I pay to any section only convinces me more and more of what the future will demonstrate the value of these mineral belts to be. I shall confine myself entirely to the extension of the Sutherland Reef. Throughout the entire length of this reef to the west] through your farms you are never further away from any quantity of water than 2 miles, whilst in many places you are not more that \(\frac{1}{2} \) a mile or \(\frac{3}{4} \) from the rivers, NEW QUEEN.—The following fortnightly report has been received from the mine, dated Charters Towers, December 21; No. 3a level south. Stoping has been continued over this level. The ground in places continues hard. The reef during the fortnight has been irregular, from a lealer to 9 inches. A proportion of this stope has been in blank ground.—3a level north has been extended a distance of 25 feet from the end of crosscut, very little reef in driving. The ground is fairly good, the stone is bunchy.—No. 4 south level. Stoping has been continued on the footwall vein, and there is very little change since last report; the reef averages about 6 inches.—5a south level. Stoping has been carried on. The formation continues large. The footwall is dipping at a much greater angle and bearing more to the south, which will make this stope very little change since last report; the reer averages about 6 inches.—5a south level. Stoping has been carried on. The formation continues large. The footwall is dipping at a much greater angle and bearing more to the south, which will make this stope very short; the formation carries several tons of quartz with about 6 inches of reef on the footwall.—No. 4 formation, No. 1 north level. The winze from this level has been driven a farther distance of 20 feet, making it 64 feet from level. The reef referred to in last report cut out, and very little stone has been met with during the period, but a little stone is making on the hanging wall, this last shift or two varying. No. 2 north level has been extended a further distance of 21 feet, making through underlie shaft. During the fortnight water has been coming through the level freely, with occasional bunches of stone, and judging from the appearance of the reef in the face to-day, there seems to be a decided improvement in the ground. The size varies from 6 to 9 inches.—No. 2 south level. This level is bearing so much to the north that we have in the back over 20 feet, and take a few feet of the underlie of the level. There is mineralised stone in the face at present.

present.

PESTARENA.—W. Henwood Trelease, February 4: In the 55 east the lode is well-defined, and carries 4 centimetres of quarts and pyrites, producing 4 tons per fathom at 3 cunces 10 dws. per ton. The lode in the 70 east (A and B) is very wide, and carries a promising branch of quartz and pyrites giving 1 ton per fathom at 1 cunce. The branch of caunter lode at the 70 east is small and irregular, and at present sterile. The 90 west on No. 1 lode is carry ing 15 centimetres of pyrites, estimated to yield 2 tons per fathom at 1 cunce 10 dwts. In the 140 west, on No. 5 lode, the lode is somewhat disturbed, now producing 1½ ton per fathom at 1 cunce 10 dwts. Oroscutting is being continued at four points, with nothing to report for the present.—Stopes. 55 east on caunter yields 2 tons at 15 dwts. per ton. 120 east, 4 tons at 1 cunce. On No. 1 lode, at the 55 east, 3 tons at 1 cunce, and another 10 tons at 3 cunces. At the 70 east, 8 tons at 2 cunces 10 dwts.; 70 west, 6 tons at 2 cunces. An intermediate drive over the 90 east, on No. 1 lode, to open up stopes, yields 4 tons at 15 dwts.—Stabloil. Nothing new in the crosscut from Morghen adit. In the Anza level the lode is 1·10 metre wide, mixed with fine pyrites.—Oro Secoe end west. The lode is wide but Irregular in production; a little ore assaying 11 dwts. has been extracted during the month.—Machinery. On the 21st January two couplings in the upper mills broke owing to the water-wheel being clogged with ice, but have been repaired. The upper mills are now stopped owing to the scarcity of water. Much difficulty is experienced in keeping the senface machinery in motion; the cold is so intense that the wheels are continually frozen. The transport of mill store that the wheels are continually frozen. The transport of mill store that the wheels are continually frozen. The transport of mill store that the wheels are continually frozen. The transport of mill store that the wheels are continually frozen. The transport of mill store that the wheels are continually froz PESTARENA .- W. Henwood Trelease, February 4: In the 55

ALAMILLOS.—Mine report dated January 30: In the 85 fathom level driving west of Taylor's engine shaft there is no improvement since last reported. The lode in the 160 west of the same shaft is very wide, and produces good lumps of ore, estimated at ½ ton per fathom. In the 100 east of Judd's engine shaft the lode is small and unproductive. The stopes continue to yield well. Surface works are kept on very regularly, and the machinery is in good working condition. Estimated raisings for February, 250 tons. The tributers returned 32 tons of mineral in the past month.

BAYLEY'S REWARD CLAIM.—Mining report dated December 10; I beg to submit the following weekly report:—Sylvester shaft sunk and timbered for the week 6 feet, total 318 feet from brace.—North drive 280. The north drive at the 280 feet level has been driven 26 feet, total 58 feet from shaft. Ground favourable for driving, with two walls about 3 feet apart containing small quartz seams.—160 feet level. Winze at 160 feet level, or continuation of Gordon shaft, sonk 10 feet, full depth 17 feet from drive. Largest portion of the winze is in the hanging wall side of lede hat for diving, with two walls about 3 feet apart containing small quarts seams.—160 feet level. Winze at 160 feet level, or continuation of Gordon shaft, suck 10 feet, full depth 17 feet from drive. Largest portion of the winze is in the hanging wall side of lode, but as it continues down will be more in the solid ore body. No. 1 intermediate stopes show no particular change, stone being raised is apparently fair battery stone.—Begelhole shaft. Stopes yielding stone of very fair grade, nice gold being seen at times.—Everard shaft. North drive has been driven 6 feet, total 180 feet from shaft. Lode still apparently very wide. Have now discontinued driving for some little time, and will put outs through the lode at different places to reach the footwall in order to accertain its width and value.—Stopes. Stopes south of Everard shaft during the week has yielded some very good stone indeed.—Cockshott shaft. The crosscot from the north drive Cockshott shaft has been extended 5 feet, total 26 feet, and connected with the routh drive from the air shaft, showing that the lode at this point is split with a bar of intrusive rock about 20 feet wide between the two, which probably will out as the drives continues.—McCalloch's shaft. McCalloch's shaft has been sunk 9 feet, total 41 feet; no change to report. Lode apparently strong ontinues.—McCalloch's shart, McCalloch's shart has been sunk 9 feet, total 41 feet; no change to report. Lode apparently strong and well defined.—Lode croppings. With the lode croppings, or alluvial, we have not done so much work as usual, and is not quite so good as formerly, but, doubtless, will improve sgain.—Stone crushed, Stone crushed for the week is 115 tons.—Yield. Yield is 700 ounces of gold.—(Signed) W. H. Matthews.

BAYLEY'S REWARD No. 1 SOUTH.—Mining report, da'ted December 15: Main shaft. The main shaft (Gorrie's) has daring the

BAYLRY'S REWARD No. 1 SOUTH,—Mining report, dated December 15: Main sheft. The main shaft (Gorrie's) has during the week been timbered 20 feet, and sunk a further depth of 4 feet, full depth now being 146 feet from surface. Lode is still in the shaft fully 4 feet 6 inches wide, solid and well defined, and during the week has shown some very good gold, far better than any I have previously seen in the shaft. The stone is highly mineralised, containing streaks of pyrites, similar to some of the good stone obtained below the water level in Bayley's Reward.—No. 2 shaft. All work in connection with the No. 2 shaft is now completed, being close timbered from top to bottom 92 feet. Will 'now start to rise between it and the main shaft in the south drive to open up stopes to supply stone for the battery.—No. 2 shaft. Bayley's line. Contractors have sunk for the week 7 feet, total 118 feet. No particular change to report.—Machinery. The erection of the battery house is completed. We are now fixing the copper plate tables, also making the blanket tables and other work, such as the tailing pits and stand for the necessary tanks. This I hope to see finished, and the battery completed for work within the next fortnight.—Water. On the 13th we had 57 points of rain, which put 196,000 gallons of water in the re had 57 points of rain, which put 195,000 gallons of water in the ank, which, being the first, is holding very well.—(Signed) W. H.

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BRITISH BROKEN HILL PROPRIETARY.—Mining manager's report for December 26 (three days' work): Blackwood (No. 1) shaft 150 feet level. North drive off east crosscut driven 7 feet, total length 80 feet, face showing mullock with blotches of sulphides. South drive off east crosscut extended 7 feet, total length 75 feet. Face carrying small stringers of carbonaic ore.—Howell (No. 2) shaft, 300 feet level. North-east drive lengthened 4 feet, total length 110 feet. Face showing mullock, Water rising in this drive. Have stopped driving for the present, and are starting crosscut for connection with winze in far north stopes.—Marsh (No. 6) shaft, 2nd level. No. 3 east crosscut extended 9 feet, total length 157 feet. Face showing country rock. Uprise in end, south drive off No. 3 east crosscut, looking better; are following ore upwards. From south stope off orrise in north drive we broke 6 tons, average 21 per cent, lead and 26 onnces silver per ton. From stope over back of main drive we broke 3 tons, average 14 per cent, and 28 onnces; and 1 ton 21 per cent, lead and 16 ounces silver per ton. From stope down winze we BRITISH BROKEN HILL PROPRIETARY .- Mining manager's lead and 16 ounces silver per ton. From stope down winze we broke 23 tons, average 21 per cent, and 51 ounces, 9 tons 14 per cent, and 28 ounces, and 1 ton 10 per cent, and 25 ounces silver per ton.—Betsliick's workings. No work has been done in east crosscut, off north drive from winze, during the week. On the 115 feet level along western side of No. 2 north-east drive we broke 6 tons, average 22 per cent. lead and 19 conces silver per ton. The assays for the week vary from 10 to 43 per cent. lead, and from 14 to 122.5 conces

week vary from 10 to 43 per cent. lead, and from 14 to 122-5 conces silver per ton.

BRILUANT BLOCK.—Mine manager's report for the fortnight ending December 12: Underlie shaft deepened 10 feet. Reef 4 feet on east side and 3 feet on west side; quality about 17 dwts. 6 level west driven 24 feet, total 23 feet from shaft. Reef 2 feet, of 4 conces stone. In stopes 1 to 4 feet same quality. 5 level west driven 11 feet, total from shaft 397 feet. In stopes reef is 29 inches thick, 7 dwts. quality.—5 level east. Two stopes on H. W. reef 2 feet thick, 2 conces quality. F. W. reef 1 to 3 feet, 16 dwts.—4 level east. Three stopes on H. W. reef near eastern boundary 10 inches; 2 conces quality; other parts 2 feet, 15 dwts. stone. F. W. stope 2 feet, 15 dwts. stone. Stone raised 1250 tons for the fortnight. Stone crashed 1184 tons for 865 conces of gold.

COROMANDEL.—Superintendent's report for fortnight ending January 12: Coromandel shaft, 420 feet level north. This level has been driven further 30 feet 3 inches, making its total length 551 feet Lode in end 6 inches wide, assaying 4 dwts. 6 grains per ton. Rise back 420 north risen 2 feet by hand labour. Lode 1 foot 6 inches wide, assay value 15 dwts. per ton. Winze under 320 north sunk 20 feet, total 62 feet. Lode 1 foot wide, worth 10 dwts. 12 grains per ton. 210 feet crosscot west driven 20 feet since last report, total length from shaft is 81 feet, and no other portion of the lode having been discovered, it is suspended.—Prospect shaft, 500 feet level north. The winze in bottom of this level at north end has been sunk a further 8 feet 3 inches, total 37 feet. There is a little quartz in the bottom, but the lode is much broken up and of no milling value.—500 feet crosscot west. 16 feet 6 inches from the shaft. No change since last report. 440 feet level north of crosscut east driven since last report 30 feet, total distance from the shaft. from the staft. No change since last report. 440 feet level north of crossout east driven since last report 30 feet, total distance from crossout 100 feet. Lode 2 feet 6 inches wide, assaying 1 ounce 8 dwts of gold per ton. No. 1 rise back 440 south of crossout east risen 12 feet 6 inches, total 29 feet. At this height, the lode being 2 feet wide, a trap dyke came into the rise. It has, therefore, been suspended, and a second rise started further south on the same lode. Milling. Arrangements are being made for a trial crushing of the

—Milling. Arrangements are being made for a trial crushing of the ore from this shoot, and also of the quarts obtained from the drivages at Coromandel shaft. About 300 tons of each will be treated, and we hope to start crushing during the coming week.

CHAMPION REEF.—Foringhtly report of Captain James Rowe, superintendent, dated January 14: Garland's shaft. At this shaft we are engaged cutting top plat at the 840 feet level preparatory to recommencing the sinking of the shaft. The 840 feet level north of shaft has been driven 30 feet 3 inohes, total length 39 feet 3 inches. Lode 1 foot 6 inohes wide, assaying 2 ounces of gold per ton. 840 south driven 37 feet 6 inches, total length 44 feet 6 inches, Lode 3 feet wide, assaying 2 ounces 3 dwis. 8 grains of gold per ton. to value. In the 105, east of Palgrave's shaft, the lode is small and unrothed of shaft has been driven 30 feet 3 inches, total length 39 feet 3 inches. Lode 1 foot 6 inches wide, assaying 2 conces of gold per ton. 840 south driven 37 feet 6 inches, total length 44 feet 6 inches, total length 44 feet 6 inches, total length 260 feet 3 inches. Lode 4 feet wide, assaying 1 conce 18 dwts. 8 grains of gold per ton. 740 south driven 29 feet 9 inches, total length 222 feet 9 inches. Lode 1 foot wide, avaying 1 conce 18 dwts. 4 grains of gold per ton. The 630 feet level north of west crosscut has been driven 25 feet 3 inches, total length 446 feet. Lode 1 foot wide, assaying 1 conce 15 dwts. of gold per ton. No. 4 new rise in back of level, 100 feet north of No. 3 has been put up 17 feet. Lode 1 feet wide, assaying 1 conce 16 dwts. of gold per ton. The south level has been driven 25 feet 3 inches, total distance 133 feet 9 inches. The quarts is 1 foot 5 inches wide, and assays 1 conce 2 dwts. of gold per ton. No. 4 new rise in back of level, 100 feet north of No. 3 has been put up 17 feet. Lode 1 feet wide, assaying 1 conce 16 dwts. of gold per ton. The south level has been driven 2 feet 6 inches, total distance 133 feet 9 inches. The quarts is 1 foot 3 inches wide, and assays 16 dwts. 10 grains of gold per ton. The quarts is 1 foot wide, and assays 16 dwts. 10 grains of gold per ton.

rise is now in the small dyke seen in the upper levels. The 530 feet level north of west casescut has been driven 22 feet 6 inches, total length 907 feet 9 inches. Lode 3\frac{1}{2} feet wide, assaying 2 ounces 10 dwts. 6 grains of gold per ton. No. 7 rise in back of level risen 11 feet 9 inches, total height 44 feet 6 inches, Lode 3 feet wide, assaying 1 ounce 19 dwts. of gold per ton. No. 3 winze below level sunk 5 feet, total depth 26 feet. Lode 2\frac{1}{2} feet wide, assaying 1 ounce 11 dwts. 7 grains of gold per ton. No. 6 rise in back of 440, north of west crosscut, risen 18 feet, total height 60 feet 6 inches. Lode 2 feet wide, assaying 1 ounce 18 dwts. of gold per ton. No. 6 winze sunk 15 feet, total depth 18 feet 6 inches. Lode 2 feet wide, assaying 2 ounces of gold per ton. No. 5 winze sunk 5 feet, total depth 18 feet 6 inches. Lode 2 feet wide, assaying 2 ounces of gold per ton. No. 5 winze sunk 5 feet 9 inches. Lode 2 feet wide, assaying 2 ounces 11 dwts. 8 grains of gold per ton.—Ribblesdale's shaft. The 540 feet level north of shaft has been driven 19 feet 9 inches, total length 319 feet 9 inches. Lode split up into stringers of quartz, yielding a little gold. Crosscot east of 540 south of shaft has been driven 20 feet 6 inches. We have not as yet met with east part of lode. 440 feet level south of crosscot east of 440 south of shaft has been driven 18 feet 3 inches, total length 148 feet 9 inches. Lode 1\frac{1}{2} foot wide, assaying 1 ounce 10 dwts. of gold per ton. New winze below level 100 feet south of crosscot sunk 14 feet 6 inches. Lode 1 foot 6 inches wide, assaying 1 ounce 14 dwts. 3 grains of gold per ton. Rise in back of level risen 15 feet 6 inches, total height 74 feet 3 inches. Lode 1 foot wide, assaying 1 ounce 10 feet south of feet 9 inches. Lode 5 feet wide, assaying 2 ounces 5 dwts. of gold per ton. The 340 feet level north of crosscot east of 340 south 109 feet 9 inches. Lode 5 feet wide, assaying 2 ounces 5 dwts. of gold per ton. The 340 feet level north of crosscot east of 3 109 feet 9 inches. Lode 5 feet wide, assaying 2 ounces 5 dwts. of gold per ton. The 340 feet level north of crosscat east of 340 south of shaft has been driven 2 feet 3 inches, total length 115 feet 9 inches. Lode 1 foot wide, assaying 1 ounce 7 dwts. 5 grains of gold per ton. Incline winze below level sunk 23 feet 3 inches, total depth 72 feet 6 inches. Lode 4 feet 6 inches wide, assaying 2 ounces 14 dwts. 6 grains of gold per ton. No. 2 winze below level sunk 4 feet 6 inches, total depth 20 feet. Lode 1½ foot wide, assaying 1 ounce 14 dwts. 2 grains of gold per ton.—Carmichael's shaft. This is now completed to within 6 feet of the 440 feet level. The 315 south of crossout west of shaft, driving on the quartz intersected some time ago, has been driven 15 feet 3 inches, total length 109 feet 9 inches. Lode 5 feet wide, assaying 2 ounces 5 dwts. shart. This is now completed to which of lete of the 440 feet level. The 315 south of crossout west of shaft, driving on the quartz intersected some time ago, has been driven 15 feet 3 inches, total length 48 feet 6 inches. The vein has become very small and without value.—Rowe's shaft. This has been sunk 3 feet 6 inches, total depth below 415 feet level 13 feet. Lode 3 fert wide, assaying 2 ounces 13 dwts. 8 grains of gold per ton. The 415 feet level north of shaft has been driven 17 feet 3 inches, total length 106 feet. Lode 1 foot 6 inches wide, assaying 2 ounces 4 dwts. 6 grains of gold per ton. New winze below 415 south of shaft, close to east and west dyke, has been sunk 14 feet. Lode 2 feet wide, assaying 19 dwts. 8 grains of gold per ton.—Stopes. Dalyell's shaft. Stope in bottom of 620 south of winze cut 8 fathoms 3 inches. Lode 2 feet wide, assaying 1 ounce 4 dwts. of gold per ton. Stope north of winze cut 9 fathoms 4 feet. Lode 2½ feet wide, assaying 1 ounce 2 dwts, of gold per ton.—Stope in back of 620, north of Garland's. 530 south winze cut 29 fathoms 3 feet 3 inches. Lode 6 feet wide, assaying 1 ounce 15 dwts. 8 grains of gold per ton. Stope in back of 630 north of north rise cut 13 fathoms 1 foot 6 inches. Lode 7 feet wide, assaying 1 ounce 9 dwts. of gold per ton. No. 1 stope sdwts, of gold per ton.—Stope in back of 620, north of Garland's, 530 south winze out 29 fathoms 3 feet 3 inches. Lode 6 feet wide, assaving 1 ounce 15 dwts. 8 grains of gold per ton. Stope in back of 630 north of north rise cut 13 fathoms 1 foot 6 inches. Lode 6 feet wide, assaying 1 ounce 9 dwts. of gold per ton. No. 1 stope in back of 620, south of north rise, cut 12 fathoms 5 feet. Lode 6 feet wide, assaying 1 ounce 13 dwts. of gold per ton. The stope in the back of the 620, north of the 530 north winze, cut 11 fathoms 4 feet. The lode is 4 feet wide, assaying 1 ounce 16 dwts. of gold per ton. The stope in back of 530 north of north rise cut 14 fathoms 5 feet 3 inches. Lode 5 feet wide, assaying 1 ounce 18 dwts. of gold per ton. Stope in back of 530 north of north rise cut 14 fathoms 3 feet 5 inches. Lode 5 feet wide, assaying 1 ounce 18 dwts. of gold per ton. Stope in bottom of 440 north of north winze cut 6 fathoms 3 feet. Lode 3 feet wide, assaying 1 ounce 18 dwts. of gold per ton. Stope south of winze cut 5 fathoms 1 fon 9 inches. Lode 3 feet wide, assaying 1 ounce 17 dwts. of gold per ton. Stope in bottom of 440 south of south winze cut 7 fathoms 3 feet. Lode 1 foot 6 inches wide, assaying 1 ounce 17 dwts. of gold per fon. Stope in north of winze cut 6 fathoms 2 feet. Lode 1 foot 6 inches wide, assaying 1 ounce 17 dwts. of gold per fon. Stope in back of 630 south of No. 1 north rise cut 27 fathoms 3 feet 9 inches. Lode 6 feet wide, assaying 1 ounce 13 dwts. 12 grains of gold per ton. Stope in back of 440 north, south of No. 5 rise, cut 18 fathoms 4 feet 6 inches. Lode 2 feet wide, assaying 1 ounce 18 dwts. of gold per ton. Stope in back of 440 north, south of No. 5 rise, cut 14 fathoms 6 inches. Lode 3 feet wide, assaying 1 ounce 18 fathoms 1 feet 9 inches. Lode 2 feet wide, assaying 1 ounce 18 dwts. of gold per ton. Stope in back of 440 north, south of No. 2 rise, cut 4 fathoms 2 feet 9 inches. Lode 3 feet wide, assaying 1 ounce 10 dwts. of gold per ton. Stope in back of 40 north of No. 2 rise, cut 4 6 grains of gold per ton. No. 2 stope south of No. 1 rise, c 6 fathoms 5 feet 9 inches. Lode 4 feet wide, assaying 1 ounce dwise, of gold per ton. The above stoping is for December month. Returns, During December month 3850 tons of quartz were stamped, which produced 5389 ounces of gold. 1100 tons of tailings were treated, which produced 229 ounces of gold. A total yield of 5618 f gold

D'ARCY ESTATES.-Report, dated December 29 :- "Main

shaft sunk 4 feet, total depth 233 feet; no change. Main shaft. Portion 3 sunk 5 feet, total depth 50 feet; still in hard diorite." FORTUNA.—Mine report, dated January 30: Canada Incosa Mine. In the 110 fathom level driving west of San Pedro's shaft the lode has improved, and has a kindly appearance, and is now valued at 4 ton per fathom,—Los Salidos Mine. The lode in the 200, east of Taylor's engine shaft, is large, but does not contain enough fore to value. In the 105. east of Palorave's shaft the lode in contain enough fore to value. In the 105, east of Palgrave's shaft, the lode is small and

ton.—No. 3 shaft. This has been sunk 3 feet 9 inches, total depth 138 feet. The lode is 2 feet wide, and assays 12 dwts. 5 grains of gold per ton. The 117 feet level north has been driven 4 feet, total distance 61 feet 6 inches. The quartz is 1 foot 2 inches wide, and assays 18 dwts. 12 grains of gold per ton. The south level has been driven 6 feet, total distance 133 feet 6 inches. The quartz is 1 foot 3 inches wide, and assays 18 dwts. 2 grains of gold per ton.—No. 4 shaft. The 148 feet level north has been driven 5 feet 3 inches, total distance 47 feet. The quartz is 6 inches wide, and assays 1 ounce 8 dwts. 8 grains of gold per ton. The south level has been driven 3 feet, total distance 37 feet. The lode is 2 feet wide, and assays 1 ounce 2 dwts. 8 grains of gold per ton.—Road block, No 3 shaft, north of No. 2. The level south from bottom of shaft has been driven 9 feet 9 inches, total distance 151 feet 6 inches. The quartz driven 9 feet 9 inches, total distance 151 feet 6 inches. The quartz is 2 feet wide, and assays 1 conce 4 dwts. 4 grains of gold per ton.—North shaft. The north level from bottom of shaft has been driven North shaft. The north level from bottom of shaft has been driven 6 feet 3 inches, total distance 57 feet 9 inches. 52 feet from shaft the lode is displaced by a dyke, through which we are driving to recover it. The level south has been driven 7 feet 3 inches, total distance 73 feet 9 inches. The quartz is 6 inches wide, and assays 15 dwt. 19 grains of gold per ton.—Ajjapalli block, shaft in trench. This has been sank 1 foot 3 inches, total depth 79 feet 6 inches. The sinking was suspended on the 4th inst., as it was impeded by water, and the driving of levels (north and soath) commenced 4½ feet from bottom and 75 feet from surface. The 75 feet level north has been driven 4 feet, total distance 4 feet. The lode is 2 feet wide, and assays 8 dwts. 7 grains of gold per ton. The level south has been driven 4 feet, total distance 4 feet. The lode is 1 foot 9 inches wide, and assays 5 dwts. 2 grains of gold per ton. Mine report for fortight ending January 14; Oriental lode, south shaft. The 470 feet level north of shaft has been driven 3 feet 6 inches, total length 159 feet. Lode 2 feet wide, carrying 9 inches south shaft. The 470 feet level north of shaft has been driven 3 feet 6 inches, total length 159 feet. Lode 2 feet wide, carrying 9 inches of quartz, assaying 1 ounce 5 dwts, of gold per ton. The 470 feet level south driven 3 feet 6 inches, total length 177 feet 6 inches, Lode 2 feet wide, assaying 15 dwts. 4 grains of gold per ton. The 380 feet level north has been driven 3 feet 2 inches, total length 255 feet 9 inches. Lode 2½ feet wide, carrying 1 foot of quartz, assaying 18 dwts. 9 grains of gold per ton. The 380 feet level south driven 5 feet, total length 265 feet 7 inches. Lode 4 feet wide, assaying 1 onnce 2 dwts, 8 grains of gold per ton. We are now engaged cutting top and bottom plats at the 380 feet level.—Machinery, The erection of this is progressing satisfactorily. We are chinery. The erection of this is progressing satisfactorily. We are pushing everything as fast as possible. The compressor is hastening on towards completion. The 20 head stamp battery is almost completed, and as soon as the engine arrives we shall start erecting

HARRIETVILLE.—Fortnightly report of Mr. S. G. Davey, super-intendent, dated December 21; Mons Meg Mine. Crosscut west of drive south of winze, 100 feet below tunnel D advanced 11 feet, drive south of winze, 100 feet below tunnel D advanced 11 feet, passed through a number of quartz veins, some of which are slightly auriferous, commenced to rise from this level on a vein 1 foot wide, which is valued at 6 dwts. per ton.—Stopes. Underhand stope at drive south of tunnel D, lode 6 feet wide and of low grade. Lode in stope at back of same level 10 feet wide and valued at 4 dwts, per ton. North stope under 240 feet level below tunnel J, lode 2 feet wide and payable. Lode at back of same level has widened to 3 feet and shows gold freely in footwall. Underhand stope south of tunnel J, lode becoming small, but is of good grality. Underhand stope on No. 1 north shoot at same level, lede 2 feet wide and valued at 4 dwts, per ton.—St. Bernard mine. Underhand stope south of tunnel J, lode becoming small, but is of good grality. Underhand stope on No. 1 north short at same level, lade 2 feet wide and valued at 4 dwts, per tyn.—St. Bernard mine. Drive south of lower tunnel on United Miners' lode advanced 12 feet, total 22 feet. Lode small but somewhat auriferous. Upper tunnel near rich vein extended 20 feet, total 55 feet. "Colours" of gold continue to be met with.—Surface.—Winze on Redpath's lode east of Guerdon sunk 5 feet, Lode 1 fort wide, and valued at half an ounce per ton.—Returns. We cleaned up on the 11th inst. for the following returns, viz.:—Mons Meg Mine 382 tons, yielding 141 ounces 15 dwts. 21 grains gold. Prites works 24½ tons for 34 ounces 5 dwts. gold. Tetal for 4 weeks, 176 ounces 21 grains. KEMPINKOTE.—Mine report for fortnight ending January 14: Garland's shaft has been sunk 11 feet 3 inches, total depth 298 feet inches. No change in the ground in the bottom of this shaft. 245 crosscut east has been driven 34 feet, total distance from shaft 107 feet 6 inches. With the exception of about 6 feet of mixed rock,

inches. No change in the ground in the bottom of this shaft. 245 crosscut east has been driven 34 feet, total distance from shaft 107 feet 6 inches. With the exception of about 6 feet of mixed rock, the whole of this distance has been driven in lode matter, with an average assay of 2 dwts, of gold per ton. The lode in the end is the foll width of the drive, assaying 3 dwt, of gold per ton.—183 south drive crosscut east, 6 feet from end of main drive has been driven 23 feet, total distance 44 feet. After driving 40 feet we met with lode matter, assaying 18 grains of gold per ton. The end of the crosscut is still in lode matter, assaying 18 grains of gold per ton. No. 1 winze has been sunk 7 feet 6 inches, total depth 39 feet 6 inches. The lode in the bottom is the full width of the sink, assaying 1 dwt. 7 grains of gold per ton.—Henty's shaft. We have completed the cutting of the top plat at the bottom of this sheft, and have sunk 4 feet, total depth 262 feet. We are sinking the shaft and cutting the bottom plat at the same time. 258 crosscut east has been driven 13 feet, total distance from shaft 13 feet. This has been driven through very hard lode matter, carrying a little gold. 173 north drive has been driven 6 feet, total distance from shaft 38 feet 6 inches. Lode matter in the end the full width of the drive, assaying 1 dwt. of gold per ton.—Machinery. Our pitwork and machinery are all in good working order, and are doing good dutv.—Health. The health of the camp is very good.

LINARES.—Mine report dated January 30: Pozo Ancho Mine. In the 200 fathom level driving cast of No. 276 winze, on Warne's lode, the lode is more open, but is still unproductive. In the 200 west of the same winze (on Warne's lode) the lode is very wide, and is letting out a large quantity of water. The lode in the 178 west of Warne's crosscut continues large and strong, and torns out good

west of the same winze (on Warne's lode) the lode is very wine, and is letting out a large quantity of water. The lode in the 178 west of Warne's crosscut continues large and strong, and torns out good paying stuff. It is valued at 1½ tons of lead ore per fathom. In the 200 west of Peill's engine shaft, the lode is small, and of no actual value. The lode in the 155 west of the same shaft is regular and compact, and contains some stones of ore, estimated at ½ ton per fathom. No. 277 winze sinking below the 155 fathom level, valued at ½ ton per fathorm. This winze is situated to the west of valued at \(\frac{1}{2} \) ton per farbom. This winze is situated to the west of Warne's crosscut, and in advance of the 178 fathom level. The stopes continue to yield well. Surface works are kept on very regularly, and the machinery is in good working order. Estimated raisings for February 200 tons. The tributers returned 111 tons of mineral in the nast month.—Los Quinientos Mine, Taylor's engine shaft. In the 185 east, valued at \(\frac{1}{2} \) ton per fathom, the lode is wider, and continues to produce good stones of one. In the 185 east, the and continues to produce good stones of ore. In the 165 east the lode is better formed and looks promising, valued at \(\frac{1}{2} \) ton per fathom. The lode in the 150 east is large and strong, but does not contain enough ore to value. In the 130 east the lode is small and unproductive. Benito's winze, sinking below the 165 farbom level, worth 1 ton per fathom, has holed to the 185 fathom level. The lode is regular. Estimated raising for February, 150 tons. The tributers returned 31% tons of mineral in the past month.

MILLS' DAY DAWN UNITED.—Mine manager's report for fortnight, ending. December 17: 9 level seat driven 10 feet to 15.

fortnight ending December 17: 9 level cast driven 10 feet, total from plat 26 feet. 9 level west driven 13 feet, total from plat 40 feet. Formation 3 feet wide, with occasional boulders of heavy mineral stone, but no continuous reef. 8 level west, main reef, stopes average 8 feet, heavy mineral stone, 8 level west, H. W. crossout, is in 69 feet from main level, 2 feet fair quality on F. W. on main reef 4 feet, and 3 feet on F. W. reef. Heavy mineral str. 7 H. W. level, reef at bottom of winze 3 feet, good quality. Stc. 7 level west, stopes 7 H. W. level, reef at notrom of winze 3 feet, good quality. Stopes over 5 feet, medium quality. 6 level west 3 feet, good mineral stone. 5 level west 2 to 3 feet, heavy mineral stone. 5 level intermediate F. W., length of reef 400 feet, 2 feet 6 inches thick, heavy mineral stone. 5 level cast, footwall crossout No. 2 driven 14 feet. Poor leader, dioping same as F. W. reef, west of underlie shaft. 4 level east, No. 3 F. W. cross out, driven 55 feet from level. 3 level east, stone has not improved.

MOUNT ZEEHAN (Taemania).—Manager reports for week ending MOUNT ZESHAN (lasmania).—manager reports for week ending December 24: Argent section. Main engine shaft, No. 6 lode, No. 1 level south. Stope continued and cleaned up, 127 tons low quality seconds.—No. 4 lode, No. 1 level south. No. 2 winze sunk 5 feet 6 inches, total 25 feet. Raised 41 tons fair quality seconds and a few bags of firsts, which should go well for silver.—Silver Queen section. New shaft sunk 3 feet, total 63 feet. The water is now easily kept under control. As next week (Christmas) will be a broken week, we do not expect to cut the lode until after that date. Concentrator has run 61 hours, and treated 168 tons seconds. Return will be given next week after bagging.

MOSMAN.—Mine manager's report for fortnight ending Dec. 22: North Australian. Byeiley level north stopes reef 1 to 18 inches, 1 ounce stone. Byerley level south stope reef 6 inches to 12 inches, rather poor. Intermediate level stopes reef 6 inches to 8 inches, very poor. Underhand stopes reef 6 inches to 8 inches, of 1½ ounce stone. Lucknow stopes, no reef.—Wyndham shaft. 13 level north, 319 feet in from shaft. Reef 3 feet, at first showing gold. Now 1 foot thick, poor quality. 13 level south, reef 8 inches, fair quality, reef 3 inches to 10 inches, good quality. 12 level north, winze sunk, reef 3 inches to 10 inches, good quality. 12 level north, winze sunk reef 3 inches to 10 inches, good quality. 12 level north, winze sunk 11 feet. Reef 6 inches, poor quality.

MYSORE-WYNAAD CONSOLIDATED AND MYSORE WEST.

—Tank block. The mining manager (Mr. P. Bosworth-Smith), reports by mail for the half-month ended January 15 South shaft. This has been sunk from 464 feet 9 inches to 471 feet 9 inches, making a progress of 7 feet for the half-month. We shall now stop sinking in order to cut plat for the 450 level, and crosscut to the lode. The new plunger bottom will go in here as soon as it arrives, throwing into cistern at bottom of downright, and the pole at 354 will come away. A penthouse has been put up at the 400 and the will come away. A penthouse has been put up at the 400, and the pillar and the back of level close to shaft will be blasted away allowing tramway to be levelled. The brace has been finished and collar of shaft raised, and skip has been started, and is now running well—354 level north. This was started again on January 7, and has been driven 5 feet, total from shaft 289 feet 9 inches. The end is not carrying so much quarts. When we have cleared out this level, which is at present full of stuff due to stoppage of all hauling whilst brace was being raised, we shall crossout to east, as it seems likely that there is another branch on the footwall side,—400 north has been driven from 197 feet 6 inches to 211 feet 6 inches, progress 14 feet. There is 2 feet of quartz in the end worth 1 ounce.—400 south. The rise in this level was stopped on 12th inst. at 13 feet 6 inches. As no quartz appeared we shall come back to the quartz near the shaft, and rise and stope on this at the same time. Having finished the new work connected with the poppet legs and skiproad we shall commence crushing on 21st inst. doing day crashings until the new boiler arrives, when we hope to run continuously.

NEW PACHUCA SILVER.— January 8: Not having received

NEW PACHUCA SILVER. — January 8: Not having received orders from you to continue sinking, I on Monday last began to open up the plat and crosscut south. Contrary to my expectations, the men worked five days in the week, and we made 3 metres of ground. men worked nie days in the week, and we made 3 metres of ground. We will baul rock during the two day shifts and water in the night shift, and I hope by this it will not be necessary to go to the expense of putting down the pumps.—January 15: During the week we made 4 metres in the south end, Everything is going on all right, and I hope we shall be able to average nearly 4 metres per

right, and I hope we shall be able to average nearly 4 metres per week.

OOREGUM.—Superintendent's report for the fortnight ending January 15: Taylor's shaft sunk 11 feet 3 inches, total depth below the 660 feet level 29 feet 6 inches. Lode 2 feet 6 inches wide, assay value 1 ounce 6 dwts. 2 grains. The 660 feet level south, resumed on the 9th inst., driven 7 feet 6 inches, total 38 feet. Lode 2 feet 9 inches, assay value 1 ounce 12 dwts, 16 grains. The 560 feet level south driven 21 feet, total 251 feet. Lode 2 feet 9 inches, value 16 dwts. 21 grains. No. 1 winze 360 feet level south sunk 7 feet, total 64 feet. Lode 2 feet 9 inches, value 2 ounces 3 dwts. 13 grains. No. 3 winze 460 feet level south sunk 7 feet, total 66 feet 6 inches. Lode 4 feet carried, value 1 ounce 17 grains. No. 4 winze 460 feet level south sunk 7 feet, total 28 feet. Lode 3 feet, value 6 dwts. 12 grains. The level north from back of No. 4 rise 280 feet level south sunk 7 feet, total 28 feet. Lode 3 feet, value 9 dwts. 19 grains. Wallroth's shaft sunk 9 feet 9 inches, total depth 971 feet 9 inches. Lode 3 feet 6 inches, assay value 4 dwts. 8 grains. Concurrently with the 'sinking, and by the same men. excavations are being made for plats at and below the 960 feet level. Good speed is being made, and we expect by end of month the plats will be in order to receive timber for its security, sollars, and skip road. The latter is already fixed to within a few feet of the bottom. The 860 level south driven 18 feet, total 234 feet 3 inches. Lode 1 foot value 6 dwts. 12 grains. The 860 feet level north, driven 11 feet, total 169 feet. Lode 2 inches, assay value 12 dwts. No 1 winze 860 feet level south sunk 2 feet 3 inches, total 4 feet 3 inches. Lode 1 foot, value 6 dwts. 2 grains. No. 1 winze 860 feet level south sunk 2 feet 3 inches, total 16 feet 1 level south driven 17 feet, total 365 feet. Lode 1 foot, value 10 unne 6 dwts. 2 grains. No. 1 winze 760 feet level north driven 10 feet 3 inches, total 18 feet 6 inches. Lode 1 foot 9 inches, value The 700 feet level north driven 10 feet, 5 inches, total 25 feet 6 inches. Lode 1 foot 6 inches, value 6 dwts. 12 grains. No, 1 winze 760 feet level north sunk 4 feet 6 inches, total 84 feet 6 inches. Lode 1 foot 9 inches, value 10 dwts. 21 grains. The 660 feet level south driven 19 feet 9 inches, total 860 feet 9 inches, Lode 2 feet 9 inches, value I ounce 12 dwts. 16 grains. No. 3 winze 660 feet level south sunk 3 feet 3 inches, total 95 feet. Lode 1 foot, value 12 dwts. 2 No. 4 winze 660 feet level south sunk 2 feet 3 inches, total 53 feet. Lode 6 inches, value 13 dwts. 2 grains. No. 5 winze 660 feet level south sunk 7 feet 9 inches, total 54 feet 9 inches. Lode 2 feet, value 9 dwts. 19 grains. No. 7 winze 560 feet level south sunk 4 feet 9 inches, total 74 feet. Lode 3 feet, value 2 ounces 12 dwt. 6 grains. The 280 feet level north, driving north on fold, driven 12 feet 3 inches, total 99 feet. Lode 1 foot 2 inches, value 4 dwt. 8 grains. No. 4 winze 280 feet level north sunk 4 feet, total 20 feet 9 inches, value 2 inches, value 4 dwt. 8 grains. No. 4 winze 280 feet level north sunk 4 feet, total 20 feet 19 inches. Lode 9 inches, value 5 dwts. 10 grains. No. 4 winze 215 feet level north sunk 2 feet 2 inches, total 76 feet. Lode 1 foot, value 13 dwts. 2 grains, Lows shoft sunk 7 feet, total 667 feet 10 inches. The 610 feet level south driven 12 feet 6 inches, total 134 feet. The lode in end, although small and not well defined, is taking its regular braring, and intermixed with a little quarts, from which water oozes. The 510 feet level south driven 12 feet 6 inches, total 63 feet. Lode 9 inches, value 10 dwts. 21 grains. No. 1 winze, 510 feet level south driven 12 feet 6 inches, total 63 feet. Lode 9 inches, value 10 dwts. 21 grains. No. 1 winze, 510 feet level south driven 12 feet 6 inches, total 63 feet. Lode 9 inches, value 10 dwts. 21 grains. No. 1 winze 950 feet level south driven 10 feet, total 63 feet. Lode 8 inches, value 10 dwts. 21 grains. The 950 feet level south driven 10 feet, total 80 inches w feet level south sunk 3 feet 6 inches, total 45 feet 6 inches. Lode 9 inches wide, assay value 5 dwts. 10 grains, No. 1 winze 950 feet level north, unk 3 feet 6 inches, total 91 feet. Lode 8 inches, value 7 dwts. 15 grains,—No. 2 Trial shaft. The 250 feet level south driven 7 feet 6 inches, total 124 feet 6 inches. Lode pinched; no sample. The 250 feet level north driven 7 feet, total 134 feet. Lode 1 foot wide, assay value 15 dwts. 6 grains.—Exploratory work, Wallroth's shaft. The crossout east from 760 feet level south driven 14 feet, total 30 feet. The crossout west from 790 feet level south driven 13 feet 3 inches, total 34 feet 3 inches. No discovery in either.—Munday's lode explorations. Crossout east from 280 feet level south driven 7 feet 6 inches, total 31 feet. This crossout having failed to discover anything of total 31 feet. This crosscut having failed to discover anything of value, we have put the rock-drill to resume the 280 feet level south on hope that the lode will improve as we approach the point corresponding with Munday's shaft. Throughout the mine 48 stones are being worked. sponding with humany state. Infoughout the lime 4s stopes are being worked, which are yielding quarts of the average quality, all of which will be reported on in the usual way at the end of the month. During the month of December we crushed 4077 tons of quarts, which yielded 4327 d ounces of bar gold. In addition to this 4589 tons of tallings were treated, which yielded 998 7 ounces of gold, total return 53261 ounces of gold.

COMPANIES AND LEGAL ANNOUNCEMENTS.

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A FRICAN GOLD CONCESSION AND DEVELOPMENT COMPANY (LIMITED).

16, Tokenhouse Yard, London, E.C., February 2, 1895.

Dear Sir (or Madam),—Referring to the Circular issued on the 24th ult., I am now instructed by my Directors to inform you that, as a result of the sale to the Aberoorn Reefs (Limited) (then announced), they have decided to distribute to all Shareholders

announced), they have decided to distribute to all Shareholders whose names appear on the Register of Members on February 26 int. one Fully-paid Share of the Abercorn Reefs (Limited), for every six Shares held in this Company on that date.

I am also directed to inform you that we have this morning received a cablegram from our Managing Director on the property, stating that everything is progressing most satisfactorily, and that he has engaged engineers and assistants to examine and report upon the unprospected rights of the Company.—I am, dear Sir (or Madam), yours faithfully. the unprospected rights (Madam), yours faithfully,

W. G. GILLINGHAM, Secretary.

BUFFELSDOORN ESTATE AND GOLD MINING

COMPANY (LIMITED).
NOTICE TO SHAREHOLDERS.
ISSUE OF 50,000 NEW SHARES.

NOTICE is HEREBY GIVEN, in accordance with resolutions passed at a SPECIAL GENERAL MEETING of Shareholders, held at Johannesburg, on WEDNESDAY, the 30th January, 1895, confirming the amalgamation of the Company with the Western Districts Estate and Gold Mining Company (Limited), that applications will be received from the shareholders in the Buffeldorn Estate and Gold Mining Company (Limited) for the New York Company (Limited) for t applications will be received from the shareholders in the Bulletdoorn Estate and Gold Mining Company (Limited) for the New
Issue of 50,000 shares, which it has been resolved to make at 50s,
per share, the said Issue being guaranteed.
Applications, in the proportion of one new share for every five
shares held on the 14th February, 1895, must be made not later than
the 21st February, 1895, on forms posted to shareholders, or to be
obtained from the undersigned.

obtained from the undersigned.

The Transfer Books will be closed for the purpose of the above sue from the 14th February to 28th February, 1895, both dates

By Order,

THOMAS HONEY,
Secretary to London Agents.
The Johannesburg Consolidated Investment Company (Limited), 7, Lothbury, London, E.C.

THE NEW CROESUS GOLD MINING COMPANY (LIMITED).

NOTICE IS MEREBY GIVEN, that an EXTRAORDINARY GENERAL MEETING of this Company will be held at Johannesburg, on the 11th March next, to consider the advisability of confirming a Provisional Agreement entered into with the Crossus Deep Level Gold Mining Company (Limited) for an amalgamation of the two Companies on the following basis:—

The Capital of this Company to be increased to £500,000, which will be apportioned as follows:

will be apportioned as follows:

(1) To Shareholders of this Company (share

for share) ...
(2) To Shareholders of the Crossas Deep Level
Gold Mining Company (Limited) (share £225,000

250,000

This issue has been goaranteed by the Johannesburg Consolidated Investment Company (Limited) at £27s. 6d, per Share, but Shareholders will have the first option of taking their pro rata interest.

The transfer books of this Company will be closed from the 1st

By Order, O, C. CANNELL, London Section Dated London, 4, Bishopsgate St., E.C., Feb. 6tb, 1895. London Secretary.

THE CROSUS DEEP LEVEL GOLD MINING COMPANY (LIMITED).

COMPANY (LIMITED).

NOTICE IS HEREBY GIVEN, that an EXTRAORDINARY GENERAL MEETING of this Company will be held at Johanneaburg on the 11th March next, to consider the advisability of confirming a Provisional Agreement entered into with the New Crossus Gold Mining Company (Limited) for an amalgamation of the two Companies on the following basis:

The capital of the New Crossus Company to be increased to £500,000, which will be apportioned as follows:

(1) To Shareholders of the New Crossus Gold Mining Com-

.... £225,000

pany, Limited (Share for Share)

(2) To Shareholders of the Crossus Deep Level Gold Mining
Company, Limited (Share for Share)

(3) To be offered to Shareholders of both Companies pro rata to their holding in the Amalgamated Company, 25,000 £1 Shares at £2 7s. 6d. £25,000

This issue has been guaranteed by the Johannesburg Consolidated Investment Company (Limited) at £27s. 6d, per Share; but Share-holders will have the first option of taking their prevata interest. The Transfer Books of this Company will be closed from the 1st to 1st March inclusion.

By Order, T. HONEY,

Dated at London, 7, Lothbury, E.C.,
9th February, 1895.

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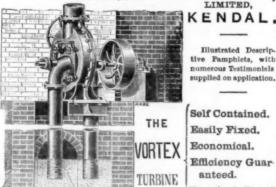
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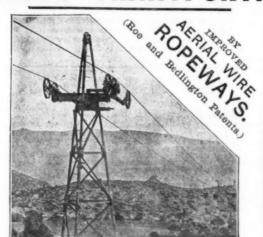
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HE eighth annual meeting of the shareholders in the above company was held on Monday, at the Pavillon, Piccadilly, W., inder the presider of Mr. Hugh ASTLEY.

The SECRETARY (Mr. liford Ibbetson) read the notice convening

The SECRETARY (Mr. liford libetson) read the notice convening the meeting.

The CHAIRMAN said: At this moment we have entered upon what I would call rather a phenomenal epoch in the history of this company. During the eight years that the company has been in existence, we have made such profits as have enabled us to pay you back the whole of your capital, and we still have an undivided balance of profit at the present time of £11,150; £10,000 of that is reserve fund, and £1150 2s. is carried forward. I venture to state that that is a financial position of which no other similar company can boast. I need hardly tell you that the expenses of an establishment like this are very heavy, and there is one item specially that we have made up our minds to reduce—namely, the salaries of the artister. We have got a scheme before us which, I think, will succeed. The cheque that we draw every week for the salaries of the artistes who appears here, was getting beyond proper bounds. (Hear, hear.) I do not say this in the least with any wish to reduce the remuneration of any lady or gentleman who appears here, but it must be done. You can see for yourselves what the present state of your property is. I think you will admit that it is bright and clear, and requires very little redecoration at present. I cannot help thinking that if the wave of depression were to move off we should undoubtedly reap the benefit, and be able to give you a better dividend next year. I can see no reason why this should not be the case. You may, however, rely on your directors doing their best for the company in fature as they have done in the past. I am reminded by Mr. Newsom-Smith that, up to now, looking ahead as we are always obliged to do, we have made engagements for the future with many a tistes at reduced salaries—(applause)—and that will guide us in our future policy. Having once begun these reductions, we have a right to anticipate that we shall be able to continue in that direction. At all events, it will be our earnest endeavours to do so

mously.

The Hon. Mark Pleydell-Bouverie having been re-elected as a director, and the auditor, Mr. B. Jackson, having been re-appointed, a cordial vote of thanks was passed to the Chairman and directors for the able manner in which they had conducted the affairs of the

THE JANUARY OUTPUT OF THE INDIAN MINES.

URING last month the output of the producing mines on the Colar gold field, Mysore, was 19,572 ounces, showing an increase of 504 ounces, as compared with the preceding month, and an increase of 2546 ounces, as compared with the corresponding month of 1894. The production since the beginning of 1890 has been as follows: been as follows:-1001 1200

	raan.		1501.		1092.		1039		7054
	Ozs.		Ozs.		Ozs.		Ozs.		Ozs.
January	8,358	***	10,186	***	11,674		16,844	***	17,026
February		***	10,121	***	11,780		16,656	***	
March	9,422	***	10,117	***	11,579	***	17,463		16,080
April	7,853		9,392	***	11,813	***	18,287	***	15,551
May		***	10,509		12,488		17,922		
June	6,287	***	10,746	***	11,847		16,879		15,459
July	8,081	***	11,097	***	13,277		16,676		18 271
August	8,079		11,222		14,854		16,692		19,073
September	8,352		11,396	***	15,529	***	17,060		18,911
October	9,360	***	12,095		15,922		17,440		19,919
November	9,770	***	11,667	***	15.942		17,557		18,825
December	9,962		11,589	***	16,435	***	17,659	***	19,068
	104 020		120 127		162 140		907 125		209 729
	104,952		190,194		105,140		201,130		209,729
The outputs o	f the in	div	idual mi	nes	for the	pas	t six m	ont	hs have
been.		-		-		•			

	Aug.		Sept.		Oct.		Nov. Ozs.		Dec.		Jan. Ozs.
Ooregum	5,207		5,297	***	5,269		5,319		5.325		5,361
Mysore	4,526		4,209		4,614	***	4,622	***	4,889	***	5,191
Champion Reef	5,501		5.597	***	5,603	***	5,605		5,618		5,635
Nundydroog	3,020		3,074	0.00	3,005		3,101	***	3,106	***	3,143
Nine Reefs		***	_		-		-	***	_	***	147
Balaghat	759		705		525		125		115	***	95
Mysore Recfs	60		29		42	***	53	***	61	***	_

Society of Engineers.—The first ordinary meeting of the Society of Engineers for the present year was held on Monday evening, the 4th February, at the Westminster Palace Hotel, Westminster. Mr. George A. Goodwin, the President for 1894, occupied the chair, and presented the premiums awarded for papers read during that year, viz.—The President's gold medal to Mr. T. W. Baker, for his paper on the "Utilisation of Town Refuse for Generating Steam." The "Besseemer Premium" to Mr. Ed. C. de Segundo, for his paper on "Power Distribution by Electricity, Water, and Gas." The "Rawlinson Premium" to Mr. R. Nelson Boyd, for his paper on "A Leep Boring n-ar Friestadt, Austria, by the Canadian System," and a "Society's Premium" to Mr. H. B. Ran-om, for his paper on "The Principles and Practice of Hydro-Extraction." Mr. Goodwin introduced the President for the present year, Mr. William George Peirce, to the meeting, and retired from the chair, receiving a heatty and unanimous vote of thanks for his services during the past year.



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NORTH WESTERN	DISTR	CT	0.00		Chester,
WESTERN DISTRIC	T	000	200	242	D -vonport.
SOUTH - RN DISTRI	CT		222	0.00	Portsmeuth.
SOUTH EASTERN I			000	000	Dover.
EASTERN DISTRICT		***	801	***	Colchester.
THA "ES DISTRICT			091		Chatham.
WOOLWICH DISTR		191	***	***	Woolwich.
HOMF DISTRICT .		200	001	000	Whitehall, 5.W.
ALLERSHOT			100	***	Aldershot,
GUERNSEY AND A					Guernses,
7 0 1 0 D D D		E 22	200	000	Jersey.
BELFAST DISTRICT		***	***	222	Helfast.
DUBLIN DISTRICT.			193		Dublin.
CORK DISTRICT		000	000	***	Cork.
CURRACH DISTRIC		***	100	-50	Curragh Camp.

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G. LAWSON, Director of Army Contracts. War Office, Pall Mall. S. W., 5th Pebruary, 1895.

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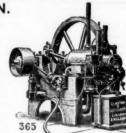
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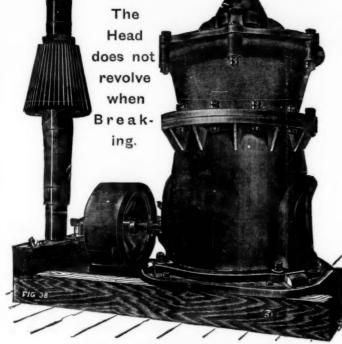
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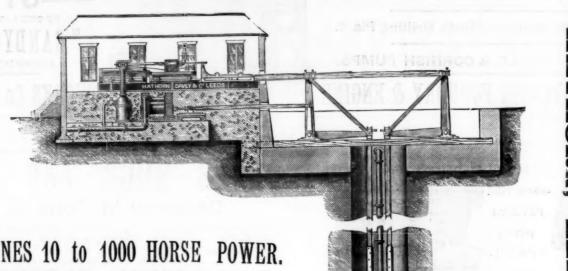
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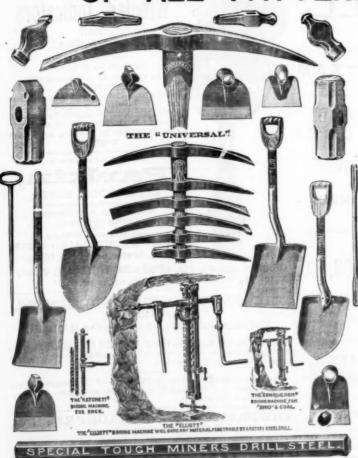
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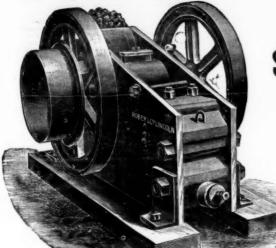
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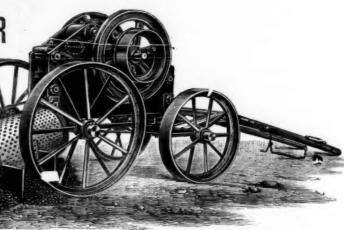
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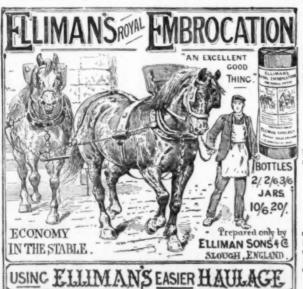
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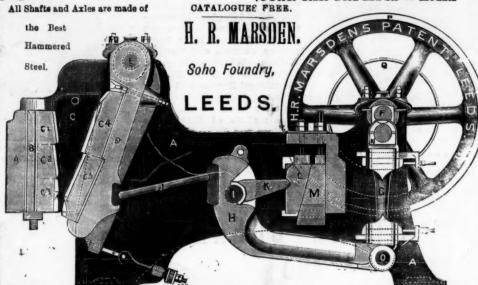
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